

# CHEMICAL MARKETS

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## Weekly News Bulletin

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### Japan Subsidizes Soda Ash Industry

**Failure to Include Kwantung Leased Territory Followed by Resolution by Dairen Chamber of Commerce Asserting Necessity of Protecting Industry in that Province—New Company Planned—Cost of Production—Japan's Present Output and Requirements**

(Special to CHEMICAL MARKETS)

Tokyo, March 3—Protection of the soda ash industry in Japan and grant of a subsidy will be included in the next fiscal year's additional budget and presented to the Diet. The subsidy will be given the Asahi Glass Co., with a factory at Makiyama, in Fukuoka Prefecture, and Japan Soda Co., at Tokuyama, in Yamaguchi Prefecture. The first plan provides for a grant of yen 700,000 a year at the rate of yen 23 a ton for an annual capacity of 30,000 tons. The second plan provides for a grant of yen 300,000 at yen 10 a ton for the same annual capacity. No decision has been reached as to the amount. Japanese soda ash industry in Kwantung leased territory is excluded from the plan. Count Kodama, Governor of Kwantung, has decided to start a movement with the Government authorities for the grant of subsidy totaling yen 3,000,000 in two years for the protection and promotion of the soda industry in Kwantung. It is not believed that this movement will succeed. The subsidy is to be given those already in existence, and a new company is to be incorporated in Kwantung.

Dairen Chamber of Commerce has adopted a resolution asserting the necessity of protecting the industry in Kwantung. The resolution has been filed with the Premier and other Ministers of State. It says that soda ash furnishes a basic material of the chemical industry and is indispensable to national defence. Its manufacture and development are of urgent importance both industrially and strategically, it says. In Japan, the present total producing capacity is about 30,000 tons against a demand of about 150,000 tons annually, the actual yearly output being only 18,000

tons. Most of the remainder must be imported. The resolution further says that in order to fill the demand for 150,000 tons of soda ash, the total funds necessary will reach yen 2,500,000. Kwantung is endowed by nature for salt manufacturing and is capable of supplying the entire national demand, still retaining something to spare.

Cost of production is not more than 40 sen per 100 kin in salt for delivery at the factory, which is still lower than the price at home minus the intended Government grant of 70 sen per 100 kin. According to the resolution, Dr. T. Nishikawa, the acknowledged soda expert of Japan, has drawn up a plan to found a soda ash plant with a capacity for 40,000 tons a year in Kwantung and has enlisted influential support. This plan not only requires immense capital but calls for a suitable length of time before the factory is put in operation. Therefore, the proposed enterprise is made conditional on securing a grant of yen 750,000 each for the first and second working year toward the initial cost. Pending the Government approval of this condition, nothing can be done to launch the new venture.

Monsanto Chemical Works, St. Louis, has taken precautions to be prepared during the impending coal strike. Over 18,000 tons of coal have been stored at Monsanto Acid and Intermediate plant in the village of Monsanto, St. Clair Co., Ill.

M. C. Whitaker has announced his intention to resign as president of U. S. Industrial Alcohol Co. at the annual meeting of the corporation in April. He will continue as a director and as consulting chemical engineer.

### WILL DAVISON SELL?

Negotiations between Rio Tinto Co., Spain, owned in England, and Davison Chemical Co., Baltimore, are in progress involving the pyrites ore properties in Cuba, of Davison Sulphur and Phosphate Co. Relations between Rio Tinto Co. and Davison Co. have been quite close for a long time, Davison Co. getting large supplies of pyrites used in the manufacture of sulfuric acid from Huelva, Spain.

The story of pending negotiations receives further color from the fact that C. Wilbur Miller, president of the Baltimore companies, is now in London, supposedly in connection with the negotiations, while Sir Auckland Geddes, president of Rio Tinto, visited the Monumental City some time ago, and stayed at the country residence of Mr. Miller. Allan Carter, a director of Davison Co., is also in London at this time. The Cuban properties of Davison Sulphur and Phosphate Co. embrace about 3,280 acres, on which more than 2,300,000 tons of pyrites have been blocked out so far. Over \$4,000,000 has been expended up to date in the development of the property, which is carried on the books of the parent corporation at a valuation of \$8,000,000.

### PLATINUM OUTPUT

Production of platinum shows no increase in 1926, which is still not much more than one-half of the estimated pre-war average of about 180,000 oz., when the bulk of the supply came from Russia. The demand in the United States from the jewelry trade failed to develop in the closing months of 1926, and this has weakened the market on both sides of the Atlantic, says "Chemist and Druggist," London. The German chemical industry apparently uses less platinum than formerly, having found acid-resisting substitutes less costly and serving much the same purpose.



# CO-OPERATION

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ACETIC ACID  
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In a very real sense, the General Chemical Company is at the service of the customer. To a large extent, the Company's business is conducted in conformity with the requirements of its customer. Under such conditions, mutual satisfaction and profit can result only where there is the most friendly co-operation between Company and customer—mutual confidence, and the good will which lends the flavor of friendship to business relations. The General Chemical Company is proud to know that its customers are also its friends.

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## Model Contract To Be Drawn

American Institute of Chemists to Study Employment Relations—Institutional Medal Awarded to Professor Arthur L. Corbin—Secretary William H. Jardine Praises Science

(Special to CHEMICAL MARKETS)

New Haven, March 28—Chemists' contracts of employment are to be studied by a Committee of nine, representing employers, chemists, and the public according to a resolution unanimously passed this afternoon at a meeting of the American Institute of Chemists.

This meeting, a symposium of a distinctly new type for technical associations, discussed fully this subject in three able papers by Dr. L. V. Redman, Dr. William M. Grosvenor, and Prof. Arthur L. Corbin of the Yale University Law School. The salient points brought out were the fact that many misunderstandings on both the part of the employer and the employee could be avoided by a more complete and definite definition of the rewards, and a better understanding of the proper relations between the two parties. Much of the dissatisfaction and litigation now arising out of contractual relations may be attributed to these misunderstandings which have engendered in the past a feeling of suspicion and uncertainty which the Institute believes can be largely removed by a full discussion of this subject.

Following the papers, the meeting was thrown open to informal discussion from the floor and subject was presented from various angles by E. J. Barry, Vice-President of the Calco Chemical Co., Dr. Charles H. Herty, J. M. Weiss, Dr. William M. Grosvenor, H. C. Parmelee, Williams Haynes, and others. Due to the illness of Dr. L. V. Redman, his paper was read by C. R. Downs.

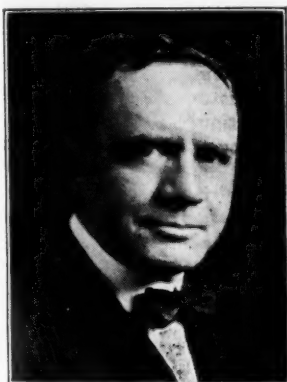
The Gold Medal of the Society was awarded for 1927 to Professor Mendel of Yale for his work in connection with agricultural chemistry.

In the evening, the Hon. William H. Jardine, Secretary of Agricul-

ture, delivered an address on agriculture and modern science, in which he tellingly pointed out that the solution of America's farm problem, in so far as production goes, will depend upon the practical application of the tremendous amount of splendid scientific research which has built up a great mass of sound facts, the application of which is sorely needed on the American farm.

### TEEPLER MAKES CHANGE

John E. Teeple announced his intention to retire as vice president and as director of American Potash & Chemical Corp., to take effect about April 1. He will continue his connection with the organization as consulting chemical engineer.



John E. Teeple

Dr. Teeple received the Perkin Medal, Jan. 14. Dr. Teeple has been consulting chemist for the principal chemical companies in the country including Industrial Laboratories, Naugatuck Chemical Co., Mead, Johnson & Co., Charles Pfizer & Co., Niagara Alkali Co., Tartar Chemical Co., J. T. Baker Chemical Co., Binns Chemical Works, Georgetown Chemical Works, Southern Extracting Co., Darco, and American Trona Corp.

French chemical companies, including Societe des Potasses d'Alsace; Alais, Froges and Camargues; Phosphates de Gafsa; l'Azote de Toulouse; the Kuhlmann and Saint-Gobain concerns and others engaged in the production of dyestuffs and chemicals have reached an understanding for the purpose of conducting co-operative negotiations with foreign interests.

## NEW METHANOL PROCESS

(Special to CHEMICAL MARKETS)

Charleston, W. Va., March 28—The first American manufacture of synthetic methanol is under way on a commercial scale at Belle, near Charleston, where a plant is being operated by Lazote, Inc., affiliated with the du Pont company. Two years of intensive research and experimental work have resulted in the development of a new and purely American process, radically different from and an improvement over the foreign processes which, a few years ago, started to revolutionize the methanol industry.

It was expected American producers would operate under French or German patents, but this new process is all American. American demand is about six million gallons a year.

The new plant, operated in conjunction with Lazote's synthetic ammonia manufacture, produces methanol from carbon monoxide and hydrogen under enormous pressures and at high temperatures. The commercial units now in production were built after an experimental plant had been operated satisfactorily for six months.

Dai Nippon Artificial Fertilizer Co., one of the largest plants of the kind in Japan, reports for the last six months of 1926; net profit, yen 1,561,964; brought forward, yen 532,699; legal reserve, yen 80,000; special reserve, yen 100,000; dividend (10% a year) yen 1,251,250; other accounts, yen 50,000; carried forward, yen 613,413.

David W. Jayne, Jr. son of Mr. Jayne, formerly with The Barrett Co. and the firm of Jayne & Sidebottom is with American Tea Products Co., Research Laboratories, Mellon Institute, Pittsburgh, as research chemist.

Hirst, Leon & Son, chemicals and liquid soap, 368 Greenwich st., New York, have been elected members of Merchants' Association of New York, and will be represented by Morton A. Goodman.

M. Tyson Ellicott, president, Baltimore Oil Co., Baltimore, Md., was stricken with heart trouble at the Maryland Club, and is confined to his home in serious condition.

Strauffer Chemical Co., San Francisco, has bought land at Richmond, Cal., for a new plant for their carbon specialties, potash and soda products.

## Chemical Markets

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## German Chemical Trade

(Special to CHEMICAL MARKETS)

Washington, D. C., March 30—Germany's foreign trade in chemical products during 1926 returned an excess of exports over imports of 2,700,000 metric tons, valued at 795,516,000 Reichsmarks, compared with a favorable balance of 2,600,000 tons with a value of 686,551,000 marks in 1925 and of 2,800,000 tons valued at 526,000,000 marks in 1913, according to Trade Commissioner W. T. Daugherty, Berlin.

Gross exports of chemical products from Germany during the year totaled 3,996,000 tons, valued at 994,256,000 marks, compared with 3,685,000 tons with a value of 897,723,000 marks. Imports during the year amounted to 1,252,000 tons, valued at 198,740,000 marks, against 1,130,000 tons, valued at 210,573,000 marks received in the preceding year.

Expansion of German production of fixed nitrogen, resulted in export gains in 1926. Germany exported 464,000 metric tons of ammonium sulphate against 344,000 in 1925. Japan continued to be the best customer, taking 180,294 tons in 1926.

United States is recorded as purchasing 21,853 tons of calcium nitrate and artificial urea in 1926, 6,308 of ammonium chloride, 1,737 of ammonium nitrate, and 2,132 of potassium nitrate. Germany exported 1,852 tons of nitrites and 93 tons of barium nitrate during 1926. Imports of Chilean saltpeter in 1926 reached 27,525 tons while exports amounted to 27,929 tons.

Germany's exports of refined methanol, acetone, and formaldehyde solution increased from 8,900 tons in 1925 to 11,127 in 1926. The 1926 shipments were valued at 8,157,000 marks. Great Britain and the United States continued to be the heaviest buyers, each having taken around 2,500 tons, while Japan trebled its purchases from 453 tons in 1925 to 1,314 in 1926. Switzerland took 1,128 tons in 1926, slightly more than its 1925 purchase. Butyl alcohol is not separately classified, but is grouped with fusel oil and amyl and propyl alcohols. Exports of this group amounted to 643 tons in 1926. American purchases were not recorded. The United States, on the other hand, is listed as having sold Germany 62.5 tons in 1926 out of a total German import of 199 tons.

Germany increased its acetic acid exports from 5,800 tons in 1925 to 8,573 in 1926, a gain made possible by the growth of the local synthetic process from earbide.

## ORIENTAL OIL RULES

Oriental Oils Association has adopted rules to govern transactions in chinawood oil between importers. Pure standard wood oil must pass R. A. Worstall's or C. V. Bacon's laboratory test. Samples must be taken by recognized samplers or inspectors. Weighing must be done by recognized public weigh-masters licensed by local organizations. Tares of oil in packages shall be the original marked invoice tare. Regarding tenders, if delivery or shipment is at seller's option within a stipulated period, seller may demand of buyer upon seven (7) days' notice buyer's requirements and shipping instructions. If buyer fails to furnish seller with such requirements and shipping instructions at the expiration of this seven (7) days' notice, seller may cancel contract or sell the merchandise for buyer's account, upon forty-eight (48) hours notice, holding the buyer for difference in value and all expenses.

Contracts for imported merchandise are based on United States tariff, custom house and railway classification in force at time of sale. Any change in such classification before delivery or the imposition or change in duty or government tax or freight rates shall be for buyer's account.

Terms of payment shall be net cash (sight draft) against documents.

Quick shipment shall be within two working days; immediate shipment within five working days; prompt shipment within ten working days.

Disagreements shall be settled by arbitration in New York.

Tank cars shall be approximately 8,000 gallons capacity.

*If all chemists were sneak-thieves and all manufacturers highway-robbers, no investment in any chemical process would be sound. The honest, harmonious relationship between brains and capital was the text of the address by Dr. William M. Grosvenor at the American Institute of Chemists' Meeting in New Haven Monday. This paper will be reported in full in the April 14th issue of CHEMICAL MARKETS. Don't miss it—an important interesting contribution to this vital subject.*

## Industrial News

Frank A. Seiberling, president Seiberling Rubber Co. of Canada, Ltd., announces that management of the K. and S. Rubber Goods Co. factories in Toronto will be taken over by Seiberling Co. April 1. Clifford A. Jones, assistant general sales manager of Seiberling Co. of Akron, O., has been appointed vice president and managing director of the new company. R. J. Thomas and Dr. W. W. Sanders of Akron will become Secretary and Treasurer and factory manager respectively of the Toronto plant. The K. and S. Company ranks fourth in a field of seven Canadian tire manufacturers.

A light brown of interest for dyeing cotton and rayon for use in upholstery and drapery fabrics has been developed in the laboratories of Newport Chemical Works, and is now being marketed under the name Newport Light Fast Brown R. It is described as possessing very good fastness to light and good level dyeing properties. It dyes unions of cotton and wool, cotton and silk, to about the same shade at the boil. Dyed at 180 deg. Fahr., somewhat yellower and brighter shades are obtained. It discharges white.

Italy has imposed higher duties on the following chemicals:—Boric acid, crude and refined; chromates and bichromates of potash, soda and ammonia; chrome alum; borax and sodium borate; chromium sulfate; chromium tanning salts; ultramarine; metallic colors; decolorising products with a base of vegetable black and hydrosulphites under tariff number 700.

Baltimore Paint, Oil and Varnish Club has completed arrangements for the paint-up and clean-up campaign, beginning April 15. The drive will take the form mainly of placing billboards throughout the city to carry the propaganda for paint and cleanliness and impress it upon the minds of the public.

Burkart-Schier Chemical Co., of Chattanooga, Tenn., has ordered equipment to enable it to double its productive capacity. The company announces the addition of new products including sizing, sulfonated tallows, and finishing compounds.

# [ Markets & Prices ]

MERCURY UP AGAIN; PARA-TOLUIDINE LOWER

Alcohol Holds—Methanol Steady—Hydrogen Peroxide Remains Sharply Competitive—Barium Chloride Lower—Tartaric Acid Up—Chinawood Oil in Sharp Advance—Olive Oil Up and Scarce—Perilla Oil Up on Chinawood Scarcity—Menhaden Oil Advances

Acid Tartaric,  $3\frac{1}{2}$ c lb.  
Cream Tartar, 2c lb.  
Mercury, \$1 flask.  
Chinawood Oil, spot bbls, 4c lb.  
Chinawood Oil, tanks Coast,  $\frac{1}{4}$ c lb.  
Linseed Oil, spot, 0.2c lb.

Coconut Oil tanks Coast,  $\frac{1}{4}$ c lb.  
Corn Oil, tanks mills,  $\frac{1}{4}$ c lb.  
Cottonseed Oil, PSY spot,  $\frac{1}{4}$ c lb.  
Cottonseed Oil, crude Texas, Valley and Southeast,  $\frac{1}{4}$ c lb.

## Advanced

Menhaden Oil, light pressed and yellow bleached 1c lb.  
Olive Oil, denat., spot, 10c gal.  
Perilla Oil, bbls, N. Y.,  $\frac{3}{4}$ c lb.  
Perilla Oil, tanks,  $\frac{1}{4}$ c lb.  
Soya Bean Oil, crude tanks,  $\frac{1}{4}$ c lb.

## Declined

Neatsfoot Oil, 20 & CP1c lb.  
Neatsfoot Oil, pure,  $\frac{1}{4}$ c lb.  
Para-Toluidine, 7c lb.  
Stearine Oleo, spot,  $\frac{3}{4}$ c lb.  
Tallow Oil, tanks & bbls.,  $\frac{1}{4}$ c lb.

Makers of industrial chemicals report a steady demand of usual proportions. Alcohol has remained fairly firm at last week's advance. Glycerin has held quite steady although the situation is still soft. Copper sulfate is very firm due to heavy exports and early Spring demand in this country. Hydrogen peroxide is sharply competitive at last week's low prices. Barium chloride is lower on spot and for shipment. Mercury continues its spectacular advance and is expected to go still higher.

Benzene, solvent naphtha and xylene remain easy and prices remain generally soft. No anxiety is expressed with reference to a coal strike. Toluene remains the only light oil with strength. Intermediates remain dull but generally firm and unchanged in prices. Para-toluidine has weakened further due to the higher prices being received for ortho-toluidine.

Further sharp advance in all positions of Chinawood oil is the feature of the oil market this week. With the situation in the East becoming more serious, those consumers who are not covered realize that the market will probably advance further and are buying their requirements which has aided in the advance. Futures from the Coast are higher but have not advanced to the extent of the spot market. Denatured olive oil is in very small supply in New York and with replacements practically on a par with the spot market, prices are necessarily higher. No immediate relief is looked for. Olive oil foots are also strong, though the spot price has shown no change. Linseed oil factors have advanced the market here 2 points over last week and the inquiry is of fair volume. Perilla oil is in good demand from the paint trade and bar-

rel oil has advanced 1c lb. in the past ten days. Menhaden oil, which has been unchanged for months, is higher for most grades with crude oil characterized as nominal.

Cottonseed oil has been easy for the past two weeks but at the moment is posted as steady with a fair volume of business being done. This has acted on crude corn oil to the extent of a  $\frac{1}{2}$ c lb. reduction. Animal oils are all easy and quiet with practically all of this group on a lower basis.

## INDUSTRIAL CHEMICALS

**Acids Mineral**—Sulfuric, nitric and muriatic acids are moving at firm unchanged prices.

**Acid Tartaric**—Domestic makers have advanced prices following higher quotations from abroad. Scarcity abroad is caused by shortage of argols caused by the poor grape season. Domestic makers quote 33c lb. for barrels.

**Alcohol Denatured**—C. D. 5 is holding quite well at recent advance to 29c gal. in tanks. The movement is only fair.

**Barium Chloride**—Spot market is being weakened by imported goods offered for shipment at \$58.00 ton.

**Cream Tartar**—Quoted higher by makers at 24c lb. following advances in tartaric acid.

**Glycerin**—Dynamite is stronger and bids below 24c lb. for April-May have been declined. Crude sales are restricted and saponification is offered at 18 $\frac{1}{4}$ c lb., and lye at 16c@16 $\frac{1}{4}$ c lb. C. P. official quotation remains at 26c lb. but 25 $\frac{1}{2}$ c is being done.

**Hydrogen Peroxide**—Sharp competition continues in 100 volume material and the market is generally quoted at 24c@26c lb. for ordinary sized lots, with some business closed as low as 22c lb.

## Judge Firms as you do individuals~ sixthly by STRENGTH

Liquid Chlorine  
Caustic Soda  
(flaked, solid or liquid)  
Caustic Potash  
(flaked, solid or liquid)  
Bleach  
Paradichlorobenzene  
Muriatic Acid

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**Mercury**—Market has advanced further and large holders name \$117 flask, while some goods are still available at \$116. Large factors report a real shortage abroad that will not be relieved until the Spanish mines reopen in September after the Summer shutdown scheduled for about two weeks hence. It is expected that the price will advance to about \$120 flask and remain there.

**Methanol**—Market for pure remains soft at unchanged prices. Denaturing grade is unchanged at 80c gal. in tanks.

**Sodium Chlorate**—Remains firm at recent advance to 6½c@6¾c lb.

**Tin Salts**—Firm at last week's reduction to 47c lb. for crystals, 19¾c lb. for bichloride, and 40c lb. for tetrachloride.

### CRUDES AND INTERMEDIATES

**Aniline Oil**—Spot and contract sales are well up to normal and prices are firm at 15c@16c lb.

**Benzene**—Market position shows no change. Pure and 90% are offering freely at 23c gal. and shading probable in some directions. No consternation is expressed over coal situation as a strike is not anticipated or at least expected to be of long duration.

**Cresylic Acid**—Market is quiet but firm under a steady demand. Importers quote pale acid at 58c gal. for shipment, and 60c spot.

**Solvent Naphtha**—Supplies are plentiful and shading of prices is intimated in some directions. Quotations are nominal at 35c gal. in tanks.

**Toluene**—Market remains very strong with all production sold ahead at 35c gal. in tanks.

**Xylene**—Supplies are freely offered and prices are probably open to shading in some directions. Nominal prices are 36c gal. in tanks for commercial.

**Para-Toluidine**—Market is weak and offerings are being made at 38c@42c lb. as to seller and quantity.

### OILS AND FATS

**Castor Oil**—Unchanged this week with leading producers taking business at 14½c@15c lb. for No. 1 and 14c@½c for No. 3.

**Chinawood Oil**—After several weeks of comparative steadiness the market suddenly advanced again this week to 30½c@31c lb. for spot oil in barrels. Demand for

this position is good and the market very firm with factors expecting still higher prices. Sales of future tanks from the Coast are being made at 23½c@24c lb. for April and 24c@25c lb. for May. Stocks in all positions are closely held.

**Coconut Oil**—Tanks on the Coast are slightly lower this week with offers heard for April arrival here at 8c lb. Otherwise the market has shown no change and is quiet.

**Cottonseed Oil**—Refined oil on spot has shown a net loss for the week of 20 points and is today quoted at 9.50c lb. here. In spite of the lower prices the market is posted as steady to firm and sales are in fair volume. Crude oil is lower in in all quarters with 7½c lb. asked for Texas; 7½c and 7¾c lb. asked for Valley and Southeast respectively.

**Corn Oil**—Crude oil is off to 7½c following the easiness in crude cotton oil. Barrels at New York can be bought at 10c lb. or a fraction lower. Refined oil is unchanged. Interest in both grades is rather routine.

**Greases**—On an admittedly quiet market producers have reduced the asking price to 9½c lb. for choice white 7c lb. for yellow; 6¾c lb. for house and 6¾c lb. for brown.

**Lard Oil**—The market is quiet and lower this week but holding steady at present levels. Current quotations are: edible prime, 14½c lb.; 12½c lb. for pure; CP, 14½c lb.; extra, 11¼c lb. and No. 1 10¾c lb.

**Linseed Oil**—Crushers have advanced the open quotation on carlots of raw oil to 10.5c lb. and the market presents a firmer tone. There has been some buying interest on the part of the varnish makers and the market is steady at this level. Five barrel lots are offered this week at 10.8c lb.

**Menhaden Oil**—Stocks are in smaller supply in all centers and the prices have advanced 1c lb over the week. On an improved demand sales are being made at 66c@68c gal. for light pressed and 67c@69c lb. for yellow bleached. Crude practically off the market and nominal. Extra bleached can still be bought at 70c@72c gal.

**Neatsfoot Oil**—As with other animal oils is easier on spot with makers offering at 14½c lb. for 20; 12½c lb. for pure; 14c½c lb. for CP; extra is steady and unchanged at 11¼c lb. and No. 1 is off to 10¾c lb.

(Continued on Page 488)



## NITRATE OF SODA REDUCED 2c 100 LBS. ON SPOT

Routine Interest Here Forces Reduction—Tankage Also Easy—Blood Firm and Scarce—Other Fertilizers Unchanged—Rosins Lower on Increased Receipts—Turpentine Steady Here in Spite of Lower Primary Markets—Tanning Materials Still High.

## Advanced

Divi Divi, spot, \$2.00 ton  
Myrobalans, J1, \$3.00 ton  
Myrobalans, R2 & J2, \$2.50 ton

## Declined

Carnauba Wax, No. 1 yellow, & No. 2 regular, 2c lb.  
Rosin, B, D, H, WW, 50c 280 lbs.  
Rosin, E, 30c 280 lbs.  
Rosin, F, K, 90c 280 lbs.

Turpentine, spot, 1/2c gal.  
Wattle Bark, spot, \$5.00 ton

Rosin, M, G, 65c 280 lbs.  
Rosin, H, N, \$1.15 280 lbs.  
Rosin, WG, 75c 280 lbs.

A reduction in the price of nitrate of soda on this market at this season to \$2.65 100 lbs. is significant. The decline is caused by the very routine interest shown by the consumers in this section. Reports from the South indicate that the markets at the Seaboard there are being held up fairly well. A tendency to shade the previously firm price of tankage was the only other price movement of the week in the fertilizer group. Blood is still scarce and holding up well considering the thoroughly routine demand.

All grades of rosin on spot and at the primary markets are off about 50c 280 pounds this week. Sellers are of the opinion that the market will hold steady as soon as the buying sets in. An unusually early crop this year is advanced as the reason for the current easiness in both rosin and turpentine. The latter is holding up well on spot in the face of the easier movement at Savannah and Jacksonville. Tanning materials, with the exception of sumac continue firm both here and for shipment. Sumac is in good supply here and there has been some pressure to sell. Albumens and egg yolk are unchanged from last week and steady. Waxes have also been quiet, although lower prices are heard on the fine grades of carnauba, probably brought about by receipts here.

**Albumen**—There has been no change in the open quotations for edible egg albumen on spot, though it is possible to do 89c@ 92c lb. in some quarters. Importers report a fair consuming inquiry.

**Blood**—Dried blood is rather scarce on the New York market and sellers are having no trouble in getting \$4.35 unit when an inquiry is received. However the demand is quiet at the moment. Chicago and South American grades are unchanged.

**Carnauba Wax**—Factors have 1 yellow and No. 2 regular to 58c@ reduced the spot price of both No.

60c lb. and 53@55c lb. respectively. This is not an indication of weakness as the market is still quite firm and stocks here are not large. Other grades are unchanged.

**Divi Divi**—Higher this week on a good demand and a dearth of offers from primary markets. Sales are being made at \$49.00@ \$50.00 ton.

**Egg Yolk**—Stocks continue in small supply here with consumers paying 81c@84c lb. for limited quantities according to seller. The Chinese trouble is expected to hold the market firm for some time.

**Varnish Gums**—There has been no change in the position of any of

this group with a fair inquiry noted from the consuming trades.

**Mangrove Bark**—Unchanged at \$37.00 ton and generally quiet.

**Myrobalans**—Higher replacements have forced the arrival market up to \$44.00 ton for J1's; \$36.00 ton for both R2's and J2's. Consumers are showing an active interest in offers.

**Rosins**—In spite of a reported steadiness on spot the market in all grades is lower, probably in sympathy with the Savannah market which is also down this week. The usual Spring demand is expected to hold the market fairly steady. Current quotations are: B, \$9.50; D, \$10.25; E, \$11.25; F, \$11.25; G, \$11.60; H, \$11.85; I, \$11.85; K, \$11.85; M, \$11.95; N, \$12.25; WG, \$13.50 and WW, \$16.50.

**Sumac**—On good sized stocks and some pressure to sell the local market is down this week and offers are heard at \$69.00 ton with but fair interest on the consumers part.

**Tankage**—Factors continue to quote \$4.50 & 10c unit for New York parcels, but it is possible that this price may be shaded to \$4.25 & 10c unit as the demand is small at the present moment.

**Turpentine**—Locally the market shows no change for the week with

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quotations at 71½¢@75¢ gal. at the moment. Because of the early receipts this year the market is expected to go lower before the demand cares for the daily receipts at primary markets.

Savannah, Ga., March 28—Turpentine showed a net loss for the week of 2¾¢ gal. closing firm on Saturday at 66¢. Sales of 43 bbls. were made to one buyer. There were two other bids of 65½¢ gal. The decline was not sharp and was due to the slightly increasing receipts. The season is about a month earlier than usual. Unless consumers come into the market for goodly quantities the market is expected to drop materially. However, turpentine below 65¢ gal. should induce considerable buying. The receipts at Savannah and Jacksonville are about three times as great as for March of 1926. Receipts last week were 1,396 bbls.; sales reported 600 bbls. with over 500 sold on private terms; shipments, 936 bbls. and Savannah stocks 5,348 bbls. About 2,000 bbls. of futures from May to December were sold over the week at 63¢ gal.

Rosins closed the week lower on all grades. There were no regular offerings at the closing on Saturday but 394 bbls. were reported as going to an exporter. Inquiries indicate a steady market for the early part of this week, largely contingent on the amount offered for sale. Early in April it is expected that fine grades will fall off as much as \$2.00 and medium and common grades \$1.00. The considerable amount of medium grades sold for Summer delivery should create quite a demand for these grades later on. In spite of an expected large crop, factors here do not look to low prices, for the past few years has shown an increase in demand from all quarters of the world. Receipts last week were 4,795 bbls. sales, 2,146 bbls.; shipments, 10,323 bbls.; stocks, 29,942 bbls. Medium grades continue in demand and several thousand bbls. were sold for futures.

Jacksonville, Fla., March 26—Turpentine closed firm at 65½¢ gal. on sales of 194 bbls. to two buyers. Rosins were fairly firm with one buyer taking 726 bbls. Jacksonville stocks are: turpentine 17,422 bbls. and rosin, 48,845 bbls.

Valonia—All grades are practically unobtainable and the market here is quoted as nominal. Consumers are interested but unable to obtain reasonable quotations.

Wattle Bark—Higher prices are being asked for shipments and re-

cent sales have been on the basis of \$54.00@55.00 ton as to position.

**OILS AND FATS**

(Continued from Page 486)

**Oleo Oil**—Presents a firmer appearance than others of this group with sales made recently at 12¢ lb. for No. 1; 9½¢ lb. for No. 2 and 9¢ lb. for No. 3.

**Olive Oil**—With little offered in the way of replacements and futures higher, spot oil has advanced to \$1.68@1.75 gal. as to seller and the amount required. The position is almost nominal and sellers are not anxious to dispose of limited stocks. Foots are quoted at 9½¢ lb. spot with bids fractionally lower being turned down. Arrivals are held at 9¼¢ lb. Edible oil is unchanged.

**Rapeseed Oil**—Rather quiet at the moment with no change in price noted this week. Japanese oil may still be bought at 80¢@83¢ gal.

**Perilla Oil**—With several plant houses taking in supplies the spot barrel market has advanced to 13¼¢ @13½¢ lb. and is firm at this level. Tanks on the Coast have advanced also to 10½¢ lb. and are likewise firm.

**Soya Bean Oil**—New York tanks are named higher this week at 11¢ lb. with a fair demand in evidence. Other grades remain unchanged.

**Stearine Oleo**—Sharply lower this week on a very quiet market at 9¼¢ lb.

**Tallow Oil**—On a routine consuming interest factors have reduced their price to 8¾¢ lb. for tanks and 10½¢ lb. for barrels.

Chemical Division, Tariff Commission officials hope to make public before April 10 the summary of the dye census for 1926. It is understood that up to the latter part of last week all important replies had been received except from two firms. Final census figures will probably not be available before July.

Wood distillation plants in Germany are making activated carbon to meet the competition from synthetic methanol made by the dye trust. Verein Fuer Chemische Industrie A. G. has license to use the Norit patents owned by Algameene Norit Maatschappij, Amsterdam.

Many investors in United States having become interested in Alberta (Canada) deposits of rock asphalt, Department of Mines has issued a report on these bituminous sands by S. C. Ellis.



## WIN CHEMICAL PRIZES

Employees of Roessler & Hasslacher Chemical Co., New York, are participating in a contest sponsored by Mrs. Elisabeth Roessler and Mrs. Elizabeth Hasslacher, widows of the founders of the company. Their interest in the welfare of the organization and employees manifested itself in the offer of \$1,000 in cash prizes for the winning essays on the subject of "The Roessler & Hasslacher Chemical Co's. Place in Industry". Interest in the contest among the employees was general, as is indicated by the fact that the winners of the contest are distributed among many divisions of the company.

Awards were made at the company's main office on Saturday March 19, Wm. A. Hamann, president officiating. The first prize winner was Carl Seiler, the company's representative at Baltimore. Milton Kutz, manager of sales, and Colby Dill, general superintendent at Perth Amboy, awarded the prizes.

## NEW BY-PRODUCT PLANT

North Shore Coke & Chemical Co., has been organized under laws of Illinois to construct and operate a modern gas and by-products plant at Waukegan, Ill. Construction of the new plant will be primarily to provide increased supply of gas to fill the growing demands of the territory served by the North Shore Gas Company, a component part of the North Continental Utilities group. This territory embraces a large portion of the suburban district north of Chicago and includes nineteen rapidly growing communities.

The company is negotiating a contract for handling of its output of coke with a large coke sales company and is assured a ready market for the chemicals which will be produced as by-products in the manufacture of gas and coke. The coke and chemical company has acquired forty-two acres on the harbor at Waukegan adjacent to present plants of the North Shore Gas Co.

Wellington Process Co., Binghamton, N. Y., tanning materials, has leased a building in Baltimore, for a plant to make their products for Southern trade.

Linde Air Products Co., New York, has purchased eleven acres at Duluth, Minn., for a plant to cost about \$200,000 with equipment.

## NEW SULFURIC ACID PLANT

Mills-Packard sulfuric acid chambers to the number of 250 are now in use in various parts of the world, said W. G. Mills, in a paper read before Institution of Chemical Engineers, in London, recently. Chance & Hunt, Ltd., are installing a new design of Mills-Packard chamber at their works near Birmingham.

The plant, which is to produce 350 tons weekly of 140° Tw acid, has two Glover and two Gay-Lussac towers and four chambers, and the gases dealt with at present are from spent oxide burned in De Spirlet furnaces. The chambers have the following dimensions: Height, 48 ft.; diameter of base, 35 ft.; diameter of ceiling, 28 ft. The volume of each chamber is approximately 36,750 cub. ft., giving a total chamber space of 147,000 cub. ft. for the four chambers. The plant is designed to work at from 4.5 to 4.75 cub. ft. per lb. sulfur charged per 24 hours. The slope of the chamber wall is 13.714:1 as compared with 8:1 the slope of the wall for the standard chamber.

Carbon black process invented by Prof. C. S. Williamson, Tulane University, New Orleans, is said to produce three to five times as much carbon black from the same quantity of gas. Dr. V. K. Trion, commissioner of conservation, Louisiana, believes the process will revolutionize the carbon black industry.

Chemistry fellowships averaging \$2,500 have been awarded by John Simon Guggenheim Memorial Foundation to Dr. Richard Bradfield, Dr. George Ernest Gibson, Dr. Frank C. Hoyt, Dr. Lloyd Hilton Reyerson, Dr. George Walter Woodrow.

Cummings, Butler and Burton are names used by a man who represents himself as a former employee of Tolhurst Machine Works, Troy, N. Y. The company is notifying the trade that he was never employed there.

Receiver for Dexter Rubber Mfg. Co., Goshen, N. Y., tire accessories, have been appointed upon complaint of Leon D. Tuttle, St. Louis, creditor for \$4,000. Liabilities \$200,000, assets \$300,000.

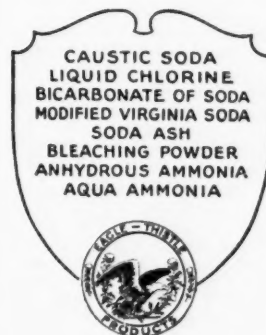
Carload of carbon black shipped east by J. M. Huber, Inc., from Lance Creek, Wyo., March 14, was the first consignment from the company's new plant.

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## HERCULES MAKING LARGE CHEMICAL PROFITS

**Powder Company Operates 24 Plants Making Explosives, Turpentine, Rosin, Pine Oils and Nitrocellulose Chemical Products—Earnings for 1926 Estimated at \$18.18 Per Share Compared With \$15.84 in 1925—Huge Dividends Paid During the War**

Hercules Powder Co.'s net earnings in 1926 were \$3,433,419, equal to \$18.18 per share on common after payment of preferred dividends, compared with \$15.84 in 1925. Gross sales were the largest since the war period. As of April 1 next, Hercules will redeem all the outstanding Series B 6% bonds secured by the mortgage and deed of trust dated Jan. 1, 1919, executed by Aetna Explosives Co. Inc., and assumed by Hercules Explosives Corp. as successor corporation.

Like du Pont, Hercules Powder has made good progress during recent years in scientific development of new chemical lines, which have opened up a large field for future expansion. The company operates twenty-four plants strategically located throughout the country, manufacturing commercial explosives used in mining, quarrying and farming in addition to turpentine, rosin, pine oils and nitrocellulose chemical products.

During the war years abnormally large profits were shown, dividends ranging as high as 95% in 1916 and 70% in 1917. In fact, plants built at the time were paid for and written off out of munition profits. In 1922 a 100% stock dividend was paid.

With only \$11,139,200 in 7% preferred stock ahead of the common, "Wall Street Journal" says, it is believed that at least a part of the substantial surplus and reserves of \$16,175,998 which have accumulated for common stockholders, or total net tangible assets of \$30,875,998, equivalent to \$210 a share, with no mention of valuable good will, patents, etc., will be capitalized through the declaration of another stock dividend.

### ALCOHOL CO'S. EARNINGS

U. S. Industrial Alcohol Co.'s net income for 1926 is estimated at \$2,500,880, equal to \$7 per share on 240,000 common shares outstanding, and allowing for preferred dividends for U. S. Industrial Alcohol and Cuba Distilling Co.

Of the approximate \$2,250,000 net income that will be shown in the annual report, it is understood that about \$1,100,000, or \$4.60 a common share, will be the result of non-recurring profits, realized from the sale last summer of the company's common stock holding in the Cuba company. After making allowance

for this item, which is extraordinary income—not likely to appear in statements of future years—net income as a direct result of operations should total approximately \$1,150,000, or \$2.50 a common share, after deducting preferred dividend requirements. This will compare with net income of \$2,167,251, or \$6.74 a share on the common, after preferred dividend deductions, for the year ended Dec. 31, 1925, and \$3,301,024, or \$11.46 a common share, earned in the 1924 period.

### FERTILIZER SHARES

Fertilizer companies' shares have declined sharply this year on New York Stock Exchange owing to the depressing outlook for 1927 in the fertilizer trade. Sales are comparatively small so far and prices are low. The shares of leading companies are now quoted on New York Stock Exchange as follows compared with high in 1926:

Stock	Present price	High in 1926
Am. Agric. Chem. com.....	10	34 3/4
Am. Agric. pfd.....	35 3/4	96 1/2
Int. Agr. Corp. com.....	6 5/8	26 3/4
Int. Agr. Corp. prior pfd....	43	95
Va. Car. Chem. com.....	8	25 1/2
Va. Car. Chem. 6% pfd.....	28	69
Va. Chem. 7% pr. pfd.....	74	98 3/4

Sales this season are, however, largely for cash, says "Wall Street Journal," in contrast to sales in 1919-22 when leading companies accepted notes aggregating \$150,000,000, part of which was a dead loss.

The International Cement Corp.'s report for 1926 shows net income of \$4,355,199 after all charges and Federal taxes, equal after preferred dividends to \$6.52 a share on 562,500 common shares outstanding. This compares with \$3,976,385, or \$7.03 a share on the 500,000 common shares in 1925. The consolidated balance sheet as of Dec. 31, 1926, showed current assets of \$7,395,001, compared with \$5,931,479, Dec. 31, 1925; current liabilities \$1,818,799, against \$2,072,173, leaving net working capital of \$5,576,202, compared with \$3,859,306.

Wesson Oil and Snowdrift Co., and subsidiaries, for the six months ended Feb. 28, show net profit of \$1,241,177 after charges and taxes, equivalent after preferred dividends to \$2.56 a share earned on 300,000 outstanding shares of no par common stock. Operating profit was \$1,879,208, depreciation was \$482,031.

## UNION CARBIDE INSURANCE

Union Carbide & Carbon Corp. and its subsidiaries have adopted group insurance, purchasing from Metropolitan Life Insurance Co., New York, protection of more than \$30,000,000 for employees. The companies pay the cost for the first month. The insurance runs from \$500 to \$3,000 for each person. Weekly payments in case of accident or sickness are provided.

The subsidiary companies of Union Carbide & Carbon Corp. are: Beacon Electric Corp.; Canadian National Carbon Co., Ltd.; Carbide & Carbon Chemicals Corp.; Carbide & Carbon Realty Co., Inc.; J. B. Colt Co.; Dominion Mines and Quarries, Ltd.; Dominion Oxygen Co., Ltd.; Electric Furnace Products Co., Ltd.; Electro Metallurgical Co.; Electro Metallurgical Co. of Canada, Ltd.; Electro Metallurgical Sales Corp.; Haynes Stellite Co.; Kemet Laboratories Co., Inc.; Linde Air Products Co.; Linde Air Products Co. of Texas; Linde Air Products Co. of Pacific Coast; Michigan Northern Power Co.; National Carbon Co., Inc.; Oxweld Acetylene Co.; Oxweld Railroad Service Co.; Prest-O-Lite Co., Inc.; Prest-O-Lite Co. of Canada, Ltd.; Union Carbide Co.; Union Carbide & Carbon Research Laboratories, Inc.; Union Carbide Co. of Canada, Ltd.; Union Carbide Sales Co.; Union National Homes, Inc.; United States Vanadium Corp.; and Zircron Tool and Alloy Corp.

Southern Phosphate Corp. reports deficit of \$120,501 after taxes, interest and reserve for depreciation and depletion, comparing with deficit of \$256,548 in 1925. Balance sheet of Southern Phosphate: Assets: plants, equipment, phosphate lands, etc., less depreciation and depletion \$3,676,489; cash \$24,655; accounts and notes receivable \$284,095; inventories \$143,863; prepaid items \$2,738; deferred charges \$180,835; total \$4,312,669. Liabilities: Accounts and notes payable \$417,838; accrued interest, commissions, etc. \$24,847.

The International Cement Corp.'s report for 1926 shows net income of \$4,355,199 after all charges and Federal taxes, equal after preferred dividends to \$6.52 a share on 562,500 common shares outstanding. This compares with \$3,976,385, or \$7.03 a share on the 500,000 common shares in 1925. The consolidated balance sheet as of Dec. 31, 1926, showed current assets of \$7,395,001, compared with \$5,931,479, Dec. 31, 1925; current liabilities \$1,818,799, against \$2,072,173.

## PATENT CLAIM INVALID

In suit of Grasselli Chemical Co. against National Aniline & Chemical Co., U. S. District Court for the Southern district of New York, two claims made in patent 1,149,580 for the use of dyphenylguanadin and triphenylguanadin to accelerate the vulcanization of rubber have been found invalid. Grasselli charged infringement. Judge A. N. Hand said: "The facts as presented and analyzed convince me that the claims in issue attempting as they do to cover an enormous class of substances are based upon no experimentation with ammonium compounds sufficient to justify me in upholding them; furthermore, that there is enough in the record to show not only that the broad claims covering in terms the future manufacture and use of substances not specially named in the patent are without foundation but are negated by proof that the classification of accelerators attempted in these claims is neither correct nor useful."

"I hold the claims in suit invalid for lack of invention and grant a decree dismissing the bill with costs."

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# Import Manifests

IMPORTS AT NEW YORK  
March 22 to 29

**ACIDS**—Acetic Anhydrid, 40 crbys., R. W. Greeff & Co., Rotterdam; Cresylic, 80 drs., Tar Acid Ref. Co., Liverpool; 137 drs., W. A. Foster & Co., Liverpool; Oxalic, 40 cks., Roessler & Hasslacher Chem. Co., Rotterdam; Tannic, 4 cks., Consolidated Color & Chem. Co., Hamburg; Tartaric, 354 cks., Superfos Co., Genoa; 200 bbls., Superfos Co., Genoa

**ALBUMEN**—116 cs., Stein, Hall & Co., Shanghai; 67 cs., French Krems Co., Shanghai; 56 cs., Wah Chang Trdg. Co., Shanghai

**AMMONIUM SALTS**—Carbonate, 14 cs., Standard Bank of So. Africa, Liverpool; Nitrate, 6 cks., R. W. Greeff & Co., Oslo; Sulfate, 254 bbs., Kuttroff, Pickhardt & Co., Rotterdam

**ANTIMONY**—400 cs., Botelho Bros., Shanghai; Oxide, 250 bbs., Wah Chang Trdg. Corp., Shanghai; 200 bbs., Union Trust Co., London; Regulus, 250 cs., W. R. Grace & Co., Shanghai; 750 cs., Botelho Bros., Shanghai; 250 cs., Sino Java Handels, Hankow

**ARSENIC**—25 drs., Pfaltz & Bauer, Hamburg

**BARIUM**—Chloride, 5 drs., G. Helawanna, Rotterdam; Sulfate, 53 drs., P. Uhlich & Co., Rotterdam

**BARYTES**—250,000 kilos, Ore & Chem. Corp., Rotterdam

**BITUMEN**—10 bbls., Inertol Co., Rotterdam  
**BONE DUST**—554 bbs., Ore & Chem. Co., Hamburg; 3,464 bbs., Ore & Chem. Co., Rotterdam

**BUTYL**—Acetate, 97 drs., Kuttroff, Pickhardt & Co., Rotterdam; Aldehyde, 4 drs., Kuttroff, Pickhardt & Co., Rotterdam

**CARBON**—1 drum, L. A. Salomon & Bro., Rotterdam

**CASEIN**—423 bbs., M. H. Grace & Co., Buenos Aires

**CHALK**—500 bbs., C. Pfizer & Co., Marseilles; 700,000 kilos, J. W. Higman & Co., Dunkirk; 500 tons, Taintor Trdg. Co., London; 500,000 kilos, Kidder, Peabody & Co., Dunkirk

**CHEMICALS**—20 cs., Mallinckrodt Chem. Works, Hamburg; 112 cs., State Fwdg. Co., Havre; 37 bbls., Pfaltz & Bauer, Hamburg; 5 cs., Eli Lilly & Co., Hamburg; 153 drs., Kidder, Peabody & Co., Rotterdam; 100 cks., Hummel & Robinson, Rotterdam; 306 cks., Stanley, Doggett, Inc., Rotterdam; 100 bbls., Hummel, Robinson, Bremen; 2 cs., H. A. Metz, Havre; 130 bbls., American Bluefriesveem Co.; 19 cs., Merck & Co., Rotterdam; 1 carboy, Merck & Co., Rotterdam; 19 cks., Pfaltz & Bauer, Rotterdam; 22 cks., Stanley, Doggett, Inc., Brême; 3 cks., Merck & Co., Rotterdam; 72 cks., Hummel & Robinson, Rotterdam; 2 cks., Fezandie & Sperrle, Antwerp; 5 cs., G. Lueders & Co., Hamburg; 2 cks., Tar Acid Ref. Co., Liverpool; 25 cs., Lo Curto & Funk, Hamburg

**COBALT METAL**—40 bbls., African Metals Corp., Antwerp

**COCHINEAL**—11 bbs., H. Kohnstamm & Co., Liverpool

**COLORS**—10 bbls., American Exchange Irving Trust Co., Antwerp; 10 bbls., Garfield Aniline Works, Antwerp; 3 bbls., B. Bernard, Inc., Genoa; 12 bbls., American Exchange Irving Trust Co., Genoa; 265 cks., 45 jugs, General Dyestuff Corp., Rotterdam; 2 cks., 1 cs., General Dyestuff Corp., Hamburg; 1 bbl., A. Hurst & Co., Hamburg; 40 kegs, Reichard Coulston, Inc., London; 40 cs., 10 drs., Jaenecke Ault Co., Vera Cruz; Alizarine, 32 pgs., General Dyestuff Corp., Rotterdam; 45 cks., General Dyestuff Corp., Rotterdam; 2 cks., General Dyestuff Corp., Rotterdam; Bronze Powder, 13 cs., L. Uhlfelder & Co., Bremen; 14 cs., B. F. Drakenfeld & Co., Bremen; 5 cs., Hensel, Bruckmann & Lorbacher, Bremen; 19 cs., Bryan & Heffernan, Hamburg; 23 cs., Baer Bros.,

Hamburg; Indigo, 12 cks., General Dyestuff Corp., Rotterdam; 6 chests, Bank of Manhattan, Manchester

**COPPER OXIDE**—8 cks., Federal Compo Paint Co., Liverpool

**DEGRAS**—25 bbls., Robt. Badcock & Co., Liverpool

**DIVI DIVI**—998 bbs., Suzarte & Whitney, Maracaibo

**EPSOM SALTS**—220 bbs., Th. Goldschmidt Corp., Bremen; 300 cks., Th. Goldschmidt, Inc., Bremen

**EXTRACTS**—Quebracho, 11,067 bbs., Tannin Corp., Buenos Aires; 3,061 bbs., J. Anderson Co., Buenos Aires

**FERTILIZER**—313 bbs., Kuttroff, Pickhardt & Co., Rotterdam

**FORMALDEHYDE**—3 cks., Kuttroff, Rickhardt & Co., Rotterdam

**GLAUBER SALTS**—82 cks., Th. Goldschmidt Corp., Rotterdam; 125 bbls., Monmouth Chem. Corp., Hamburg

**GLUE**—1 ck., 94 cs., W. E. Miller, Antwerp; 240 bbs., J. Dick, Hamburg; 113 bbs., Pfaltz & Bauer, Hamburg; 349 pgs., 100 bbs., 37 cks., W. E. Miller, Havre; 200 bbs., H. Bierschenko Co., Liverpool; 75 bbs., Gallagher & Ascher, Liverpool; 268 bbs., J. J. Shore & Co., Rotterdam

**GLUESTOCK**—91 bbs., G. S. Rockford, Rotterdam

**GLYCERIN**—20 drs., Parsons & Petit, Antwerp; 10 drs., G. Uhe, Inc., Rotterdam; 8 drs., C. J. Schilling Co., Pt. Limon; 47 drs., Armour & Co., Havana; 25 drs., Marx & Rawolle, Liverpool

**GRAPHITE**—550 bbs., C. E. Pittinos Co., Marseilles; 500 bbs., Asbury Graphite Mills, Havre; 206 bbs., J. F. Starkey & Co., Colombo

**GUMS**—Aloes, 1,000 cs., R. Desvernine, Curacao; Arabic, 400 bbs., Stanley, Jordan Co., Port Sudan; 10 bbs., T. M. Duché & Sons, Port Sudan; 150 bbs., H. Heide, Port Sudan; 100 bbs., Nat. Gum & Mica Co., Port Sudan;

Chicle, 30 bbs., Thurston & Braidich, Vera Cruz; 17 bbs., H. Triest & Co., Vera Cruz; 282 bbs., Chicle Development Co., Vera Cruz; Copal, 4,653 bbs., L. C. Gillespie & Sons, Boma; 315 bbs., A. Klipstein & Co., Macassar; 240 bbs., S. Winterbourne, Macassar; 524 bbs., 650 bbs., Innes & Co., Macassar; 252 bbs., France, Campbell & Darling, Macassar 16 cs., Innes & Co., Padang; 500 bbs., Paterson, Boardman & Knapp, Antwerp; 40 bbs., Innes & Co., Antwerp; 186 bbs., G. H. Lincks, Antwerp; 193 bbs., S. Winterbourne, Antwerp; 280 bbs., G. W. Patterson & Co., Antwerp; 13 bbs., S. Winterbourne, Antwerp; 93 bbs., France, Campbell & Darling, Antwerp; 19 bbs., J. D. Lewis & Co., Antwerp; Damar, 41 bbs., Sino Java Handel, Inc., Macassar; 55 cs., 50 bbs., W. H. Scheel & Co., Batavia; 400 bbs., Paterson, Boardman & Knapp, Batavia; 100 bbs., Stein, Hall & Co., Batavia; 149 bbs., A. Klipstein & Co., Batavia; 200 cs., Innes & Co., Padang; Karaya, 67 bbs., F. Vliet Co., Bombay; Tragacanth, 25 bbs., Thurston & Braidich, London; 28 cs., Thurston & Braidich, London; 30 cs., W. Mohrmann, Southampton; 25 bbs., o cs., W. Mohrmann, London; 12 cs., G. Gulbenkian & Co., Constantinople

**INTERMEDIATES**—25 cks., 2 cs., General Dyestuff Corp., Rotterdam; 15 cs., 7 cks., General Dyestuff Corp., Hamburg

**IRON**—Oxide, 37 bbls., C. K. Williams & Co., Malaga; 100 bbls., Hummel & Robinson, Malaga; 200 bbls., C. J. Osborn & Co., Malaga; 5 cks., F. M. & F. Waldo, Liverpool; 25 cks., J. A. McNulty, Liverpool; 40 bbls., Whitaker, Clark & Daniels, Malaga; 15 cks., Reichard Coulston, Inc., Liverpool; Sulfate, 51 cks., H. Hinrichs Chem. Corp., Hamburg

**LITHOPONE**—00 cks., Benj. Moore & Co., Rotterdam; 600 cks., Benj. Moore & Co., Rotterdam

**MAGNESITE CALCINED**—56 cks., Innes, Speiden & Co., Glasgow

**MAGNESIUM CHLORIDE**—258 drs., Innis, Speiden & Co., Hamburg

**METHANOL**—441 drs., Kuttroff, Pickhardt & Co., Rotterdam

**MYROBALANS**—2,775 pkts., Hammond, Carpenter Co., Calcutta; 6,140 pkts., Procter, Ellis & Co., Calcutta; 3,209 pkts., J. F. Mosser & Co., Calcutta

**OCHRE**—401 cks., Reichard Coulston, Inc., Marseilles

**OILS**—Cod, 32 cks., Cook, Swan & Young, Halifax; 11 bbls., 200 cks., National Oil Products Co., St. Johns; 200 drs., Mitsui & Co., Yokohama; 200 cks., Cook, Swan & Young, St. Johns; 32 cks., Robt. Badcock & Co., St. Johns; Cod Liver, 250 bbls., E. R. Squibb & Co., St. Johns; 50 bbls., Robt. Badcock & Co., Liverpool; 110 bbls., P. R. Dreyer, Oslo; 169 cs., Order, Oslo; 360 bbls., Order, Oslo

**CREOSOTE**—3,345 tons, American Creosote Co., Rotterdam; 5,533 tons, American Creosote Co., Antwerp

**OILS**—Haarlem, 25 cs., Lo Curto & Funk, Rotterdam; Olive, 100 cs., American Exchange Irving Trust Co., Malaga; 25 drs., Bowery & East River Bank, Malaga; 100 cs., Bowery & East River Bank, Malaga; 175 drs., Brewer & Co., Malaga; 25 drs., American Exchange Irving Trust Co., Malaga; 650 cs., S. Galle & Co., Leghorn; 250 cs., Italo Prod. Co., Leghorn; 300 cs., T. Pipitone, Leghorn; 500 cs., Ossola Bros., Leghorn; 150 cs., C. Basilea & Co., Leghorn; 750 cs., American Express Co., Leghorn; 300 cs., A. Morici & Co., Leghorn; 100 cs., Bortolo Berdin, Leghorn; 675 cs., J. P. Smith & Co., Marseilles; 25 drs., Paolo Allonge & Bros., Barcelona; 200 drs., Strohmeier & Arpe Co., Tarragona; 113 cs., Bowery & East River National Bank, Tarragona; 250 cs., F. Romeo & Co., Malaga; 100 cs., Leghorn Trading Co., Malaga; 300 cs., Bowery & East River National Bank, Malaga; 150 drs., First National Bank, Malaga; 100 cs., Banco Di Sicilia Trust Co., Malaga; 100 cs., R. W. Delapana & Co., Malaga; 100 drs., Strohmeier & Arpe Co., Malaga; 100 bbls., Welch, Holme & Clark, Malaga; 100 bbls., Rhode Island Hospital Trust Co., Malaga; 1,500 cs., F. Romeo & Co., Leghorn; 500 cs., Scaramelli & Co., Leghorn; 310 cs., Order, Genoa; 150 cs., A. Protta & Co., Genoa; 275 cs., A. Pastene & Co., Genoa; 200 cs., Bowery & East River Nat. Bank, Genoa; 450 cs., Order, Genoa; 100 cks., Ital. Discount & Trust Co., Marseilles; 250 cs., Nicelle Olive Oil Co., Nice; 250 cs., F. Romeo & Co., Malaga; 100 drs., Strohmeier & Arpe Co., Malaga; Palm, 41 cks., W. & A. Leaman, Abonema; 310 cks., Van Leenwen, Boonekann & Co., Belawan; 30 cks., J. R. Boddy & Co., Liverpool; 160 cks., D. Bacon, Liverpool; 67 cks., African & Eastern Trdg. Co., Lagos; 182 cks., B. Bacon, Liverpool; 96 cks., African & Eastern Trdg. Co., Lagos; 916,942 lbs., African & Eastern Trdg. Co., Calabar; 841 pgs., 422,692 kilos, Niger Co., Boma; Rape, 735 drs., Mitsui & Co., Kobe; Wood, 100 drs., Paterson, Boardman & Knapp, Shanghai; 300 drs., Spencer Kellogg & Sons, Shanghai

**PLASTOL**—1 cs., Kuttroff, Pickhardt & Co., Rotterdam

**POTASSIUM SALTS**—Carbonate, 14 cks., Parsons & Petit, Hamburg; 83 cks., A. Klipstein & Co., Rotterdam; 97 cks., Innis, Speiden & Co., Bremen; Caustic, 30 drs., Superfos Co., Hamburg; 91 drs., Roessler & Hasslacher Chem. Co., Rotterdam; Chlorate, 1,500 cks., Monmouth Chem. Co., Hamburg; Muriate, 611 bbs., French Potash Syndicate, Antwerp; Prussiate, 18 kegs, C. Tennant Sons Co., Liverpool Sulfate, 225 bbs., Potash Impgt. Co. of America, Hamburg; Sulfide, 100 drs., Harshaw, Fuller & Goodwin, Rotterdam

**QUICKSILVER**—300 flasks, Leghorn Trdg. Co., Leghorn; 25 flasks, Haas Bros., Vera Cruz

**QUINIDINE**—2 cs., R. W. Greeff & Co., Rotterdam

**SAL AMMONIAC**—68 cks., Monmouth Chem. Corp., Rotterdam

**SALTPETRE**—1,400 bgs., Kuttroff, Pickhardt & Co., Rotterdam; 240 cks., C. Tennant Sons Co., Hamburg

**SHELLAC**—500 bgs., Mitsui & Co., Calcutta; 175 bgs., H. W. Peabody & Co., Calcutta; 900 bgs., Rogers, Pyatt Shellac Co., Calcutta; 100 bgs., British Overseas Bank, Calcutta; 400 bgs., Mac Lac Co., Calcutta; 921 bgs., Ralli Bros., Calcutta; 100 bgs., W. Zinsser Co., Calcutta; 150 chests, Rogers, Pyatt Shellac Co., Calcutta; 200 bgs., Nat. City Bank, Calcutta; 25 bgs., A. Hurst & Co., Hamburg; 500 bgs., Ralli Bros., London; 50 bgs., W. Zinsser Co., Calcutta; 400 bgs., Merkel & Co., Calcutta; 153 bgs., Rogers, Pyatt Shellac Co., Calcutta; **Garnet**, 300 cs., Rogers, Pyatt Shellac Co., Calcutta; 500 bgs., H. W. Peabody & Co., Calcutta; **Seedlac**, 100 bgs., H. W. Peabody & Co., Calcutta; 100 bgs., Rogers, Pyatt Shellac Co., Calcutta; 500 bgs., Order, Calcutta

**SOAP**—900 cs., Soap Distributors, Inc., Leghorn; 220 cs., Equit. Trust Co., Barcelona

**SODIUM SALTS**—Acetate, 127 drs., Grasselli Dyestuff Corp., Rotterdam; **Bisulfide**, 50 drs., F. Rudloff, Rotterdam; **Chlorate**, 500 drs., Monmouth Chemical Corp., Hamburg; **Hydrosulfite**, 25 kegs, Brewer & Co., Liverpool; **Nitrate**, 1,299 bgs., W. R. Grace & Co., Iquique; 257 bgs., R. W. Greeff & Co., Oslo; 204 bgs., Kuttroff, Pickhardt & Co., Hamburg; 102 cks., 254 bgs., Kuttroff, Pickhardt & Co., Hamburg; **Nitrite**, 3 cks., R. W. Greeff & Co., Oslo; **Phosphate**, 165 cks., Roessler & Hasslacher Chem. Co., Rotterdam; 250 bgs., A. Klipstein & Co., Rotterdam; **Phosphate Dibasic**, 260 cks., Rhodia Chem. Co., Rotterdam; 206 cks., Rhodia Chem. Co., Rotterdam; **Prussiate**, 37 cks., Rhodia Chem. Co., Hamburg; **Silico Fluoride**, 133 cks., H. Sundheimer, Rotterdam; 81 bbls., Superfos Co., Oslo; **Sulphhydrate**, 1,650 drs., Tibaze Artif Silk Co., Rotterdam; **Sulfide**, 60 cks., A. Klipstein & Co., Rotterdam; 20 drs., H. Hinrichs Chem. Corp., Rotterdam; **Sulfite**, 75 drs., Phillips Bros., Rotterdam

**TAMASOL**—10 drs., Kuttroff, Pickhardt & Co., Rotterdam

**TAPIOCA**—Flake, 380 bgs., Stein, Hall & Co., Sourabaya; **Flour**, 862 bgs., Stein, Hall & Co., Sourabaya; 5 bgs., Catz American Co., Batavia; 575 bgs., N. Y. Trust Co., Tandiong Priok; **Pearl**, 310 bgs., Stein, Hall & Co., Sourabaya; **Seed**, 115 bgs., N. Y. Trust Co., Tandiong Priok; 185 bgs., Stein, Hall & Co., Sourabaya

**TARTAR**—435 bgs., C. Pfizer & Co., Marseilles; 300 bgs., Tartar Chem Works, Marseilles; 300 bgs., W. R. Grace & Co., Valparaiso; 269 bgs., W. R. Grace & Co., San Antonio

**TFA WASTE**—884 bgs., Maywood Chem. Co., Calcutta

**WAX**—Bees, 4 bgs., D. Steengrafe, San Juan; 74 bgs., American Trdg. Co., Rio de Janeiro; 25 pgs., T. Norton & Co., Santos; 7 cks., W. Schall & Co., Puerto Plata; 30 bgs., Nat. Bank of Commerce, Marseilles; 24 bgs., D. Steengrafe, Tampico; 65 bgs., Stahl & Pitsch, Rotterdam; 6 bgs., J. J. Loria & Co., Sto. Domingo; 3 bgs., Curacao Trdg. Co., Santo Domingo; 9 pgs., Cordillera Comm. Co., Pto. Plata; 7 cks., W. Schall & Co., Pto. Plata; 25 pgs., T. Norton & Co., Santos; 74 bgs., American Trdg. Co., Rio de Janeiro; **Canuba**, 17 bgs., Royal Bank of Canada, Rio de Janeiro; **Spermaceit**, 100 cs., Strohmeyer & Arpe Co., Glasgow

**WHITING**—1,500 bgs., Scott L. Libby Corp., Havre; 1,000 bgs., Hammill & Gillespie, Havre; 523 bgs., Nat. City Bank, Antwerp

**ZINC CHLORIDE**—300 bgs., A. Kromer & Co., Rotterdam; 330 bgs., E. M. Sengenat Co., Oslo; 400 bgs., F. B. Vandegrift & Co., Rotterdam; 21 cks., Philipp Bros., Hamburg; 45 bbls., Philipp Bros., Antwerp; 15 cks., Roessler & Hasslacher Chem. Co., Rotterdam

## IMPORTS AT PHILADELPHIA

March 16 to 23

**ALCOHOL**—Menthyl, 118 drs., Order, Rotterdam

**AMMONIA**—Muriate, 254 cks., Order, Rotterdam

**BARK**—Wattle, chopped, 2,290 bls., Order, Durban

**CHALK**—900 bgs., Order, Antwerp

**CHEMICALS**—16 cks., E. H. Bailey & Co., Brisaol; 80 balloons, Roessler & Hasslacher Chem. Co., Rotterdam; 80 balloons, Roessler & Hasslacher Chem. Co., Rotterdam

**CLAY**—103 tons, Moore & Munger, Bristol; **Ball**, 611 tons, 17 cwt., Various Consignees, Fowey; **China**, 3,880 tons, 7 cwt., Various Consignees, Fowey; 3,569 tons, 14 cwt., Various Consignees, Fowey; 1 ton, 15 cwt., Various Consignees, Fowey; 32 tons, Various Consignees, Fowey; 2,552 tons, 1 cwt., Various Consignees, Fowey; 102 tons, 10 cwt., Various Consignees, Fowey; 3 tons, 3 cwt., Various Consignees, Fowey; 51 tons, 18 cwt., J. W. Hampton Jr. & Co., Bristol

**COPAL**—6 bgs., Order, Antwerp

**FLUORSPAR**—498 tons, 9 cwt., 3 qrs., 18 lbs. Standard Bank of So. Africa, Ltd., Durban

**FUSTIANS**—46 bls., mixed, Am. Exchange Irving Trust Co., Rotterdam; 94 bls., Union Nat. Bank

**GLYCERINE**—60 drs., Order, Rotterdam; 20 drs., Order, Antwerp

**MAGNESITE**—16,256 bgs., Harbison-Walker Refractories Co., Trieste

**MANURE**—Nitrogenous, 227 bgs., Order, Antwerp

**METHYLANONS**—25 drs., O. G. Hempstead & Son, Rotterdam

**MOLASSES**—6,269 tons, in bulk, Eastern Alcohol Corp., Cienfuegos; 1,632 tons, in bulk, Eastern Alcohol Corp., Santa Cruz

**OIL**—Olive, 50 cks., J. Wagner & Sons, Leghorn; 29 cs., Russo Bros., Naples; 30 cs., G. Ardicino, Naples; **Palm Kernel, Crude**, 49 cks., Order, Rotterdam; **Soya Bean**, 25 bbls., Order, Rotterdam

**ORE**—Chrome, 1,400,000 kilos, Order, Aghia Marina; **Iron**, 5,800 tons, Delaware River Steel Co., Bougie; **Pyrites**, 7,700 tons, The Pyrites Co., Huelva

**POTASH**—Silicate, 11 cks., Phila. Quartz Co., Rotterdam

**SODIUM**—Phosphate, 67 bbls., Order, Antwerp; **Silicate**, 11 cks., Phila. Quartz Co., Rotterdam; **Sulfide**, 114 drs., Order, Rotterdam; 100 drs., Order, Antwerp

**SUMAC**—Unground, 12 bls., Irving Bk. & Trust Co., Larnaca

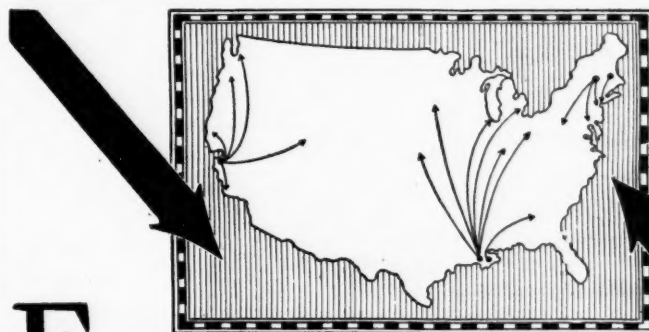
## IMPORTS AT BALTIMORE

March 18 to 24

**BARYTES**—2,420,000 lbs., Ore & Chemical Corp., Eastern Dawn, Rotterdam

**BONE FLOUR**—100 bgs., 22,352 lbs., William H. Mason, Eastern Dawn, Antwerp; 250 bgs., 55,880 lbs., F. H. Shallus Co., Eastern Dawn, Antwerp; **Meal**, 2,216 bgs., M. B. Carlin, Boschdijk, Rotterdam

**BEEF PULP**—Dried, 2,000 bgs., F. H. Shallus Co., Napierian, Liverpool



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Philadelphia, Pa. . . . . 112 North Front Street  
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### Tartaric Acid U. S. P.

**TARTAR CHEMICAL WORKS**

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**CHALK**—1,000 bgs., 110,000 lbs., William H. Masson, Eastern Dawn, Antwerp; 295 bgs., 65,549 lbs., William H. Masson, Eastern Dawn, Antwerp

**CHEMICALS**—133 cks., F. H. Shallus Co., Boschdijk, Rotterdam

**CLAY**—Burnt, 210 sks., 15 tons, H. A. Robinson & Co., Larabee, Liverpool

**CORK DISCS**—570 bls., Crown Cork & Seal Co., Boschdijk, Rotterdam

**NITRATE OF SODA**—3,200 tons, American South Pacific Co., Inc., Chilcote, Antofagasta

**ORE—Iron**, 11,000 tons, Bethlehem Steel Corp., Santore, Daiquiri; **Manganese**, 6,530 tons, Bethlehem Steel Corp., Livingstonia, Poti

**PEPPER**—600 bgs., McCormick & Co., Napierian, Liverpool

**PYRITES**—4,000 tons, Davison Chemical Company, Magdala, Huelva

**SADDLE SOAP**—6 cs., William H. Masson, Napierian, Liverpool

**WOOL GREASE**—150 bbls., 9,329 lbs., Samuel Chapiro & Co., Eastern Dawn, Antwerp

#### IMPORTS AT SAN FRANCISCO

March 12 to 19

**ACID**—15 drs., Order, Manchester

**BARYTES**—121 cks., Italian-American Bank, Hamburg; 62 pkgs., L. H. Butcher Co., Hamburg

**COPRA**—100 tons, Eldorado Oil Works, Iloilo; 102 tons, Sullivan & Co., Iloilo; 160 tons, Vegetable Oil Corp., Zamboanga; 115 tons, Eldorado Oil Works, Zamboanga; 759 tons, Eldorado Oil Works, Cebu; 422 tons, Sullivan & Co., Cebu; 200 tons, Pacific Oil & Lead Works, Cebu

**KAPOC**—100 bbls., Well Fargo Bank & Union Trust Co., Hongkong; 150 bbls., American Bank, Hongkong; 50 bbls., Italian-American Bank, Hongkong; 125 bbls., International Banking Corp., Hongkong

**OIL—Cod Liver**, 85 bbls., Pacific Chemical Co., Hamburg

**ROSIN**—127 drs., California Fruit Co., Manzanillo

#### IMPORTS AT NEW ORLEANS

March 18 to 25

**BONE ASH**—2,783 sks., Order, Buenos Aires

**BAUXITE**—2,683 tons, Republic Mining Co., Georgetown

**CREOSOTE**—5,461 tons, Ayer & Lord Tire Co., London

**CREOSOL**—75 drs., Order, Liverpool

**COPRA**—2,120 tons, Order, Manila

**GUM—Chicle**, 559 bbls., Chiclé Development Co., Conzume, 740 bbls., Miss. Warrior Service, Progreso; 840 bbls., Wm. Wrigley Co., Port Barrios

**MOLASSES**—1,645,465 gals., Dunbar Molasses Co., Nuevitas

**OCHRE**—120 cks., Order, Antwerp

**SODA PULP**—598 bbls., Order, Scandinavia

**SODA—Caustic**, 517 drs., Order, Liverpool

#### IMPORTS AT BOSTON

March 14 to 19

**ARSENIC**—50 cks., A. Klipstein & Co., Hamburg

**CAUSTIC POTASH**—73 drs., Order, Hamburg; 128 drs., Order, Hamburg;

**CHEMICALS**—125 bbls., Order, Antwerp; 76 cks., Hummell & Robinson, Rotterdam

**COLORS—Aniline**, 12 cks., Dyestuffs Corp. of America, Liverpool

**GLAUBER SALTS**—500 bgs., R. & H. Chemical Co., Hamburg

**LIME—Chloride**, 85 drs., Order, Hamburg

**MAGNESITE—Caustic**, Calcined, 133 bbls., Order, Rotterdam

**POTASH—Muriate**, 250 cbys., Phillip Bauer & Co., Bremen

**SODIUM SULPHIDE**—78 drs., I. M. Sobin Co., Rotterdam

**TRAGASOL**—100 bbls., J. P. Marston Co., Liverpool

**ZINC—Chloride**, 22 bbls., Order, Hamburg; White, 25 cks., A. Klipstein & Co., Hamburg

#### IMPORTS AT NORFOLK

March 3 to 10

**BONE MEAL**—1,108 bgs., Order, Rotterdam;

**POTATO STARCH**—1,006 bgs., Stein-Holl & Co., Rotterdam; 250 bgs., Order, Rotterdam

March 10 to 17

**BASIC SLAG**—2,200 bgs., 199,320 kilos, Order, Rotterdam

**BONE MEAL**—556 bgs., 50,339 kilos, Order, Rotterdam

**CHALK**—500 bgs., 24,375 kilos, Order, Rotterdam

**POTASH SALTS—Sylvinit**, 12.4%, bulk, 1,205,000 kilos, Soc. Com'l de Potasses de Alsace, Antwerp; **Manure Salt**, 20%, bulk, 453,000 kilos, Soc. Com'l de Potasses de Alsace, Antwerp; **Muriate**, 300 bgs., 27,216 kilos, Soc. Com'l de Potasses de Alsace, Antwerp;

**Sulphate**, 300 bgs., 27,216 kilos, Soc. Com'l de Potasses de Alsace, Antwerp

**WOOL GREASE**—100 bbls., 20,650 kilos, American Exchange Co., Rotterdam

March 17 to 24

**ALBUMEN—Blood**, 200 bgs., Order, Manchester

**ORE—Iron**, 3,515 tons, Ferguson, Wild & Co., Balboa, Spain

**PEAT MULL**—Atkins & Durbrow, Inc., Bremen

#### EXPORTS AT NEW YORK

**ACETONE**—37 drs., March 9, Yokohama; 64 drs., Mar. 8, Antwerp

**ACIDS—Acetic Glacial**, 12 drs., Mar. 4, Sto. Domingo; 10 bbls., Feb. 24, Tampico; **Citric**, 5 kegs, Feb. 11, Pto. Colombia; 2 kegs, Feb. 18, Cartagena; **Phosphate**, 12 cs., Mar. 4, Bahia; **Muriatic**, 200 crbys., Mar. 11, Manati; **Stearic**, 3 bgs., Feb. 24, Vera Cruz;

**Sulphuric**, 5 drs., March 11, Pastelillo; 3 lrs., Feb. 11, Santiago; 1 carboy, Feb. 24, Vera Cruz; 3 drs., Feb. 23, Callao; **Tannic**, 2 cs., Feb. 24, Vera Cruz; **Tartaric**, 5 kegs, Mar. 2, Vera Cruz; 2 cs., Mar. 1, Jamaica; 3 kgs., Feb. 24, Vera Cruz; 6 kegs, Feb. 11, Pto. Colombia; 5 kegs, Feb. 24, Vera Cruz

**ACIDOLENE**—30 bbls., Feb. 24, Tampico

**ALCOHOL**—2 bbls., Mar. 4, Bermuda; **Butyl**, 20 drs., Mar. 10, Kobe

**ALOES**—25 cs., Feb. 4, London

**ALUM**—4 bbls., Mar. 5, Vancouver

**AMMONIUM—Anhydrous**, 25 cyl., Mar. 7, Pto. Colombia; 5 cyl., Feb. 11, Santiago; 25 cyl., Mar. 2, Tampico; **Sulfate**, 280 bgs., Feb. 14, St. Kitts, 455 bgs., Mar. 3, St. Kitts; 10,800 bgs., Mar. 16, Cheribon; 10,000 bgs., Feb. 15, Matanzas

**AMMO PHOS**—39,872 bgs., Mar. 9, Yokohama; 11,872, bgs., Feb. 18, Yokohama

**AMORPHOUS PHOSPHOROUS**—16 cs., Mar. 2, Vera Cruz

**ASPHALT**—500 bbls., Mar. 3, Montevideo; 12 bbls., Mar. 2, Wellington; 241 drs., Feb. 25, Glasgow; 6 drs., Feb. 23, Buenaventura; 250 drs., Mar. 11, London;

**ASPHALTUM**—100 drs., Mar. 10, Moji; 869 Feb. 18, Yokohama

**BOVININE**—1 bbl., Mar. 10, Tokio

**CALCIUM—Carbide**, 2 drs., Mar. 1, West Africa; 400 drs., Feb. 24, Tampico; 1,420 drs., Mar. 2, Tampico; 200 drs., Feb. 24, Tampico; 20 drs., 2 cs., Feb. 11, Kingston; 100 drs., Mar. 10, Maracaibo; 60 drs., Mar. 2, Vera Cruz; **Chloride**, 60 drs., Feb. 18, Cartagena; 400 drs., Mar. 9, Tampico

**CARBIDE**—360 drs., Feb. 16, Caibarien

**CARBON—Bisulfide**, 10 drs., Mar. 9, Tampico; 5 drs., Feb. 14, Paramaribo

**CASEIN**—9 bgs., Feb. 24, Vera Cruz

**CHEMICALS**—24 cs., Mar. 7, Corinto; 5 bbls., Feb. 24, Vera Cruz; 47 bbls., Mar. 9, Kobe; 10 bbls., Mar. 9, London; 9 bbls., Mar. 4, Liverpool

**CLAY**—140 bgs., Mar. 9, Copenhagen; 180 bbls., Mar. 11, Rotterdam; 180 bbls., Mar. 4, Rotterdam

**COLORS**—5 bbls., Mar. 10, Osaka; 6 cs., Mar. 11, Manati; 18 kegs, Mar. 2, Melbourne; 1 keg, Mar. 11, Milano; 5 cs., Feb. 24, Vera Cruz; 9 kegs, Mar. 9, Vera Cruz

**COPPER SULFATE**—1 keg, Mar. 5, Vancouver; 190 bbls., Feb. 24, Vera Cruz; 111 bbls., Feb. 24, Vera Cruz

**CORN FLOUR**—100 cs., Feb. 24, India; 100 cs., Mar. 7, Buenaventura; 20 cs., Feb. 14, St. Lucia; 35 cs., Mar. 10, Shanghai; 100 sks., Feb. 25, Glasgow; 20 bbls., Feb. 18, Pto. Colombia; 1,400 cs., Feb. 24, Vera Cruz; 50 cs., Mar. 2, Progreso

**CORN SUGAR**—30 bbls., Feb. 24, India; 300 cs., Mar. 10, Kobe; 600 cs., Mar. 10, Yokohama; 250 bgs., Feb. 18, London

**CORN STARCH**—200 bgs., Feb. 24, India; 30 cs., Mar. 4, Macoris; 20 cs., Mar. 4, Santo Domingo; 10 bbls., Feb. 23, Buenaventura;



100 cs., Mar. 2, Tampico; 10 bgs., Mar. 2, Tampico; 10 bgs., Mar. 12, La Romana; 225 bgs., Mar. 12, Makassar; 20 cs., Mar. 12, Cheribon; 100 cs., Mar. 12, Semerang; 75 cs., Mar. 12, Belawan 150 cs., Mar. 12, Sourabaya

**CORN SYRUP**—60 bbls., Mar. 2, Auckland; 60 bbls., Feb. 24, India; 30 bbls., Mar. 2, Wellington; 180 bbls., Mar. 2, Lyttelton; 165 bbls., Mar. 2, Hobart; 120 bbls., Feb. 25, Glasgow; 30 bbls., Mar. 11, Rotterdam; 140 bbls., Feb. 25, Southampton

**CYANIDE**—Crude, 500 drs., Mar. 10, Chinampo; 1,875 cs., Feb. 24, Vera Cruz; 258 drs., Feb. 24, Tampico; 3,625 Mar. 9, Vera Cruz; 2,250 drs., Mar. 9, Tampico

**DEXTRINE**—100 bgs., Feb. 24, India; 10 bgs., Feb. 25, Glasgow

**DIETHYL PHTHALATE**—1 drum, Mar. 2, Vera Cruz

**DYESTUFFS**—1,530 kegs, Mar. 10, Shanghai; 7 cs., Mar. 10, Yokohama

**EPSOM SALTS**—2 bbls., Mar. 10, La Guaira; 20 kegs, Mar. 2, Tampico

**ETHYL ACEDODE**—14 drs., Feb. 14, St. Croix

**EXTRACTS**—Quebracho, 800 bgs., Feb. 24, Vera Cruz; Tanning, 404 bgs., Mar. 2, Vera Cruz; 66 bgs., Mar. 9, Vera Cruz; 42 bbls., Mar. 9, London

**FERTILIZER**—224 bgs., Feb. 18, Port Limon; 25 bgs., Mar. 9, Jamaica

**FORMALDEHYDE**—90 bbls., Mar. 10, Yokohama; 4 cs., Feb. 16, Genoa; 2 bbls., Mar. 3, Havana; 6 cs., Mar. 2, Tampico

**GLAUBER SALTS**—10 cs., Feb. 18, London; 10 bbls., Mar. 10, La Guaira; 5 cs., Feb. 23, Buenaventura; 5 cs., Feb. 18, Havana; 9 cs., Feb. 11, Pto. Colombia

**GLUCOSE**—1,000 bgs., Feb. 24, Vera Cruz; 255 bbls., Feb. 28, Trieste; 90 bbls., Mar. 9, Copenhagen; 660 bbls., Feb. 24, Vera Cruz; 20 bbls., Mar. 2, Lisbon; 600 bbls., Mar. 2, Vera Cruz; 30 bbls., Mar. 14, Calcutta; 10 bbls., Mar. 11, Bremen; 17 bbls., Mar. 11, Trondhjem

**GLUE**—5 bbls., Mar. 10, Shanghai; 40 cs., Feb. 24, Vera Cruz

**GRAPHITE**—90 bbls., Mar. 10, Osaka

**GUMS**—Arabic, 4 bgs., Feb. 15, Pto. Colombia; 60 bgs., Feb. 24, Tampico; 30 bgs., Feb. 24, Vera Cruz; 10 bgs., Feb. 23, Buenaventura

**HYDROSULFITE**—20 drs., Feb. 24, Vera Cruz

**KRESO**—1 drum, Feb. 15, Panama; 50 cs., Feb. 18, Cartagena; 45 cs., Feb. 18, Pto. Colombia

**LIME**—Chloride, 25 cs., Feb. 25, Glasgow; Hydrate, 100 bbls., Mar. 2, Tampico

**LINSEED**—Oilcake, 18,876 bgs., Mar. 11, Rotterdam; 8,247 bgs., Mar. 4, Rotterdam; 18,200 bgs., Mar. 11, Rotterdam

**MAGNESIUM**—Sulfate, 75 kegs, Feb. 11, Pto. Colombia

**MALT**—1,201 bgs., Mar. 11, London; 165 cs., Feb. 18, Pto. Colombia

**MANGANESE**—46 bbls., Feb. 25, Glasgow

**METHYL**—Chloride, 6 drs., Feb. 4, London

**NICKEL OXIDE**—173 bbls., Mar. 11, Rotterdam; 177 bbls., Mar. 4, Rotterdam

**NICOTINE**—40 drs., Mar. 2, London; 10 drs., Feb. 18, London

**OILS**—Aniline, 25 drs., Mar. 9, Kobe; Castor, 5 cs., Feb. 15, Guayaquil; 5 cs., Feb. 23, Buenaventura; Coconut, 5 cs., Feb. 15, Guayaquil; 5 cs., Feb. 23, Buenaventura; Corn, 100 cs., Mar. 10, Yokohama; Linseed, 10 drs., Feb. 24, Vera Cruz; Wood, 10 drs., Mar. 10, Yokohama

**PETROHOL**—44 drs., Mar. 11, Rotterdam; 25 drs., Feb. 4, London

**PITCH**—2,983 cs., Mar. 8, Rotterdam

**POTASSIUM SALTS**—2 kegs, Mar. 5, Vancouver; Bichromate, 6 bbls., Mar. 9, Tampico; Hathate, 25 drs., Mar. 1, Rangoon; Xanthate, 30 drs., Mar. 4, Vancouver; 10 drs., Mar. 9, Vera Cruz

**PYRIDINE**—5 drs., Mar. 2, Lyttelton

**ROSIN**—5 bbls., Mar. 1, Jamaica; 25 cs., Mar. 2, Fremantle; 12 bbls., Mar. 7, Buenaventura; 8 bbls., Feb. 15, Panama

**SODIUM SALTS**—Ash, 5 bbls., Mar. 1, Jamaica; 30 bbls., Feb. 15, La Libertad; 10 bbls., Feb. 15, Panama; 160 bbls., Mar. 5, Vancouver; 4 bbls., Mar. 7, Buenaventura; 35 cs., Feb. 25, Glasgow; 100 bbls., Feb. 11, Pto. Colombia; 22 bbls., Feb. 24, Vera Cruz; 225 bbls., Mar. 2, Vera Cruz; Bicarbonate,

2 kegs, Feb. 11, Pto. Colombia; 15 kegs, Mar. 4, Monte Cristi; 20 bbls., Mar. 7, Buenaventura; 30 cs., Feb. 24, Vera Cruz; 105 kegs, Feb. 25, Guatemala City; 105 bgs., Mar. 10, La Guaira; 5 kegs, Mar. 12, Pto. Plata; Bichromate, 32 cs., Mar. 9, Yokohama; 14 bbls., Mar. 2, Tampico; Carbonate, 10 cs., Mar. 10, Osaka; 4 cs., Mar. 2, Vera Cruz; Caustic, 20 drs., Feb. 15, Punta Arenas; 100 drs., Mar. 7, Mexico; 6 cyl., Mar. 7, Buenaventura; Caustic, 1,244 drs., Mar. 10, Kobe; 960 drs., Mar. 10, Yokohama; 80 drs., Feb. 24, Tampico; 35 drs., Mar. 11, Manati; 70 drs., Mar. 11, Pasteillo; Cyanide, 230 drs., Mar. 1, Rangoon; 22 cs., Feb. 15, Punta Arenas; Hyposulfite, 3 kegs, Feb. 15, La Libertad; Phosphate, 5 bbls., Mar. 5, Vancouver; Silicate, 6 drs., Mar. 9, London; 200 bgs., Mar. 2, Tampico; 40 drs., Feb. 24, Vera Cruz; 3 cyl., Mar. 7, Buenaventura; 15 drs., Feb. 24, Vera Cruz; Sulfate, 5 kegs, Mar. 7, Buenaventura; 10 cs., Mar. 10, Osaka; 1 bbl., Feb. 23, Buenaventura

**STARCH**—60 cs., Mar. 4, Bermuda; 30 cs., 5 bgs., Mar. 3, Havana; 50 bgs., Mar. 2, Oporto

**SULPHUR**—62 sks., Mar. 2, Melbourne; 62 sks., Mar. 2, Adelaide; 354 sks., Mar. 22, Sydney

**SUPER PHOSPHATE**—17 bgs., Feb. 14, Dominica

**TALC**—280 bgs., Feb. 18, London; 140 bgs., Mar. 11, Liverpool

**TANOLIN**—4 bbls., Mar. 2, Fremantle

**THE CARBONILIDE**—17 bbls., Feb. 24, Vera Cruz

**ULTRAMARINE BLUE**—10 kegs, Feb. 24, Vera Cruz; 10 kegs, Mar. 2, Vera Cruz; 10 kegs, Mar. 2, Tampico; 4 bbls., Mar. 9, Vera Cruz; 2 bbls., Mar. 14, Calcutta

**WAX**—Carnauba, 65 bgs., Mar. 9, Copenhagen; Tanning, 62 bbls., Mar. 2, London;

**ZINC**—Oxide, 4 bbls., Mar. 2, Vera Cruz; 50 bbls., Feb. 28, Trieste; 2 kegs, Feb. 11, Pto. Colombia; 210 bbls., Mar. 11, Genoa; 4 cs., Feb. 24, Vera Cruz; Stearate, 10 bbls., Mar. 9, Yokohama; Sulfate, 49 bgs., Mar. 2, Vera Cruz; White, 3 bbls., Feb. 18, Pto. Colombia; 10 bbls., Mar. 9, Tampico

## HAYNES TO HEAD DRYS

Roy A. Haynes has been appointed Acting Prohibition Commissioner by Secretary Mellon. Major Haynes was supported for the position by Anti-Saloon League, members of which called upon President Coolidge in his behalf. Major Haynes' appointment was thought by some to be temporary and it was suggested in Washington that the Administration might even yet name some one else as Prohibition Commissioner and that the giving of this present appointment to Major Haynes might be a sort of try-out, both as to his effectiveness on the job and as to the reaction throughout the country.

Friends of Major Haynes, however, said that the reasons for the arrangement by which he was named "Acting Commissioner" were entirely satisfactory to him.

Mexican Whaling Co.'s fleet, operating in the Gulf of Lower California, is making a record catch of whales. The killer ship Lorentz Brunn, Capt. M. Kihl, delivered a cargo of oil at San Pedro, Cal., recently, and brought the report that 390 whales had been taken, netting more than 12,000 barrels of oil.

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# Patents

Latest Issues Covering  
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## TO SECURE COPIES OF PATENTS

U. S., 10c U. S. Patent Office, Washington. British, draft on London, one shilling, British Patent Office, 25 Southampton Bldgs., Chancery Lane, W. C. 2, London. French, one franc, Minister of Commerce & Industry, Paris. German, draft on Berlin, one mark, German Patent Office, Berlin.  
Application date appears with each patent.

### UNITED STATES PATENTS Issued March 15, 1927

1,620,635.—Fuel Oil Composition. F. L. Dietz, Brooklyn. Jan. 3, 1922.  
1,620,696.—Explosive. A. Segay, Mont-rouge, France. Apr. 30, 1923.  
1,620,713.—Combination Condenser and Oil Separator. F. C. Bell, Alameda, Calif. Feb. 5, 1924.  
1,620,714-5.—Triazo-Nitrate Explosive and process. F. H. Bergkeim, Woodbury, N. J., assignor, E. I. duPont de Nemours & Co., Wilmington, Del. June 18, 1926.

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Warehouse Stocks in  
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**KESSLER CHEMICAL CO.**  
Orange, N. J.

apparatus. K. W. Bartlett, Hammond, Ind. May 6, 1926.

1,20,771.—Oil and Gas Separator. D. G. Lorraine, Los Angeles. May 26, 1924.

1,620,780.—Air Cleansing Apparatus. F. F. Pease, East Braintree, Mass., assignor, F. F. Pease, Inc., Boston. Apr. 5, 1923.

1,620,813.—Making Asphaltic Road Material, process. J. D. Forrester, Kansas City, Mo., assignor, P. J. McInerney, Dallas, Tex. Nov. 30, 1925.

1,620,877.—Composition of Matter. R. J. Drummond, assignor, Pacific Coast Iron Pipe & Foundry Co., Los Angeles. Aug. 7, 1925.

1,620,880.—Metallic Oxides, process. G. B. Filmer, assignor one-half, W. J. Harvey, Toronto, Canada. Dec. 12, 1924.

1,620,886.—Regenerating Zeolites, apparatus. W. H. Green, assignor, General Zeolite Co., Chicago. July 17, 1922.

1,620,889-90.—Bituminous Composition and process. L. Kirschbraun, Chicago. Apr. 23, 1921, and Apr. 25, 1924.

1,620,915.—Gypsum Product and process. L. M. Parkhurst, Indianapolis, assignor, Federal Gypsum Products Co., Chicago. May 6, 1922.

1,620,940.—Producing Impervious Material, process. W. F. Blecker, Boulder, Colo. Dec. 28, 1921.

1,620,952.—Bitumen Boiler. F. A. Davies, Auckland, New Zealand, assignor, The Steel Construction Co., Ltd. Nov. 19, 1925.

1,620,977.—Cellulose Composition. W. G. Lindsay, Newark, N. J., assignor, The Celluloid Co. June 2, 1924.

1,620,982.—Comminuting Mill. R. C. Newhouse, Chicago, assignor, Allis-Chalmers Mfg. Co., Milwaukee. Apr. 15, 1926.

1,621,071.—Treating Acid Sludge, process. W. D. Kinkade and C. J. Baugh, Barnsdale, Okla. Jan. 8, 1927.

1,621,143.—Bringing About Physical and Chemical Changes in Dielectric Carbon Compounds, by means of ionized gases, process. H. E. R. Vogel, Hamburg, Germany. Apr. 8, 1925.

1,621,195.—Preparing Highly Active Carbon, process. O. Ernst and O. Nicodemus, Hoechst, Germany, assignor, I. G. Farbenindustrie A. G. Frankfurt. July 9, 1923.

1,21,222.—Burning or Calcining Materials, apparatus. H. M. Robertson, Lakewood, O. June 20, 1925.

1,621,229.—Art of Distillation. D. M. Allan, Halifax, Nova Scotia, Canada, assignor, Standard Development Co. Jan. 5, 1922.

1,621,240.—Vermifuge and Insecticide. W. J. Dennis, Attleboro, Mass. Apr. 16, 1923.

1,621,270.—Obtaining Powders of Great Fineness, process and apparatus. E. Podszus, Berlin-Friedrichshagen, Germany. July 1, 1922.

1,621,298.—Heating Stills, apparatus. G. D. White, Port Arthur, Tex., assignor, The Texas Co., New York. Apr. 5, 1923.

1,621,311.—Making Fertilizers. J. G. Claude, Paris, assignor, Societe l'Air Liquide. Dec. 20, 1923.

1,621,319.—Still. H. E. Gilbert, Bridgeport, Conn. Mar. 20, 1925.

1,621,345.—Mixing Machine.—N. M. Anderson, Bedford, Ind. June 11, 1925.

1,621,399.—Paper Sizing. J. A. Decew, Mount Vernon, N. Y., assignor, Process Engineers, New York. Apr. 11, 1923.

1,621,438.—Preparing Varnish. F. Schwartz, Barcelona, Spain, assignor, one-half, E. Gil-Camporro. Mar. 19, 1925.

1,621,441.—Concentrated Acetic Acid from dilute aqueous solutions of same, producing. H. Suida, Modling, Austria. Feb. 27, 1925.

1,621,446.—Producing Silica Articles. H. Watson, Lynn, Mass., assignor, General Electric Co. Apr. 1, 1926.

1,621,468.—Aqueous Rubber Dispersion,

process. W. B. Pratt, Wellesley, Mass., assignor, Research, Inc., Boston. July 2, 1923.

1,621,475.—Treating Petroleum Hydrocarbons, process. W. M. Cross, Kansas City, Mo. Nov. 24, 1924.

1,621,483.—Soluble Oil. H. Dimmig, Chicago, assignor, The Texas Co., New York. Feb. 8, 1924.

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Issued Feb. 16, 1927

263,128.—Cellulose Esters. I. G. Farbenindustrie A. G., Frankfurt. Dec. 8, 1926.

263,132.—Progressive Evaporators. E. Morterud, Torderod, Norway. Dec. 10, 1926.

263,137.—Extracting Fats and Fatty Oils. F. N. Lehmann, Dresden. Dec. 13, 1926.

263,138.—Plastic Compositions. Michelin et Cie., Puy-de-Dome, France. Dec. 13, 1926.

263,153.—Ketones and Dicarboxylic Acids. M. Naef et Cie., Geneva, Switzerland. Dec. 14, 1926.

263,163.—Polycyclic Ketones. I. G. Farbenindustrie A. G. Dec. 15, 1926.

263,164.—Azo Dyes. I. G. Farbenindustrie A. G. Dec. 15, 1926.

263,173.—Preserving Wood. B. V. Malenkovic, Neulengbach, Austria. Dec. 16, 1926.

263,175.—Varnishes. I. G. Farbenindustrie A. G. Dec. 17, 1926.

263,178.—Anthraquinone Derivatives. I. G. Farbenindustrie A. G. Dec. 17, 1926.

263,179.—Anthroquinonethiomorpholines. I. G. Farbenindustrie A. G., Dec. 17, 1926.

263,184.—Varnishes. I. G. Farbenindustrie A. G. Dec. 17, 1926.

263,186.—Purifying Mineral and Tar Oils. Siemens & Halske A. G., Berlin. Dec. 17, 1926.

263,191-2.—2-Amino-4-Nitrophenoxye-  
thanol and Stilbene Dyes. Chemicals  
Works Formerly Sandoz, Basel, Switzer-  
land. Dec. 18, 1926.

263,194.—Refractory and Ceramic Prod-  
ucts. Scheidhauer & Giesing A. G.,  
Bonn-on-Rhine, Germany. Dec. 18, 1926.

263,195.—Enameling Fibrous Cement  
Articles. Fibremo Soc. Cooperative, Brus-  
sels. Dec. 18, 1926.

263,198-9.—Silica Gel. I. G. Farbenindus-  
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263,200.—Benzanthrone Dyes, I. G. Far-  
benindustrie A. G. Dec. 20, 1926.

263,201.—Oxidation of Hydrocarbons. W.  
A. Caspari, London. Nov. 11, 1925.

263,303.—Hydroextractors. Baker Per-  
kins, Ltd., and J. E. Pointon, Peterbor-  
ough. Dec. 22, 1925.

263,307.—Emulsions. C. H. Thompson,  
Wallasey, and W. J. McGivern, Lower  
Bebington, Cheshire. Jan. 5, 1926.

263,322.—Evaporating and Distilling  
Vinasse. E. A. Barbet, Paris. Jan. 30,  
1926.

263,340.—Tartrates and Potassium Bisul-  
phite. W. E. Klaversteijn, Mendoza, Ar-  
gentine. Feb. 15, 1926.

263,370.—Anthraquinone Derivatives. I.  
G. Farbenindustrie A. G. Apr. 13, 1926.

263,381.—Purifying and Hydrogenating  
Hydrocarbons. C. D. Maze, Paris, Apr.  
27, 1926.

263,391.—Filtering Air. H. H. Garner,  
Pomona, Calif. May 2, 1926.

263,393.—Making Soaps. Papeteries Na-  
varre, Lyons, France. May 28, 1926.

263,473.—Vat Dyeing. British Celanese,  
Ltd., and G. H. Ellis, London. Sept. 7,  
1926.

23,494.—Pyrazoleanthrone Dyes. I. G.  
Farbenindustrie A. G. Dec. 21, 1926.

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Issued Feb. 24, 1927

439,396.—Making Sizes. A. Kliem,  
Bunzlau, Germany. May 31, 1925.

439,150.—Evaporating by Means of a  
Gaseous Medium. C. H. Caspar, Philadel-  
phia. Oct. 8, 1921.

439,204.—Countercurrent Column. C. H.  
Bormann, Essen. Jan. 12, 1922.

439,074.—Decolorizing Solutions by means  
of a decolorizing medium obtained by  
treating cellulose substances with acids.  
The International Sugar and Alcohol Co.,  
Ltd., London. June 27, 1924.

439,113.—Mixing Apparatus. C. Pontop-  
pidan, Holte, Denmark. Sept. 5, 1924.

439,288.—Preventing Ignition of Combust-  
ible Dust. Kirschhoff & Co., Hannover.  
Mar. 27, 1923.

439,398.—Cleaning Electrodes in electrical gas purifier. Siemens-Schuckertwerke G. m.b.H., Berlin-Siemensstadt. Dec. 13, 1921.  
439,114.—Highly Active Carbon. I. G. Farbenindustrie A. G. Mar. 14, 1923.  
439,399.—Preventing Action of Chemicals on Graphite or Carbon Electrodes in electrolysis of chlorides. Koenigsberger Zellstoff-Fabriken and Chemische Werke Kohlyt A. G., Berlin and Dr. E. Schlumberger, Berlin-Lichterfelde. Feb. 1, 1925.  
439,354.—Fatty Acids from Hydrocarbons, process. W. C. H. Pataky, The Hague and F. J. Neilenstein, Delft, Holland. Aug. 28, 1924.  
439,290.—Naphthoxythiophenes. Ges. fuer Chemische Industrie in Basel. May 23, 1925.

439,041.—Tetrazoles. Knoll & Co., Chemische Fabrik, Ludwigshafen, and Dr. K. F. Schmidt, Heidelberg. Jan. 3, 1921.  
439,005.—Refining Tar Oils. Siemens & Halske A. G., Berlin-Siemensstadt. July 22, 1922.

139,006.—Purifying Gasoline. Z. M. Stinnes, Essen. Nov. 8, 1923.  
439,044.—Continuous Distillation Process. Dr. R. Blumner, Berlin-Charlottenburg. Feb. 4, 1925.

439,261.—Liquefaction and Separation of Gaseous Mixtures. Feno Ges. fuer Energieverwertung m.b.H., Berlin-Mariendorf. Jan. 21, 1923.

439,142.—Transporting Vessels for Liquefied Gases. T. Kautny, Duesseldorf. Oct. 15, 1924.

439,009.—Lacquers. I. G. Farbenindustrie A. G. Jan. 30, 1924.

439,059.—Bleaching Fats, Fatty Oils, Waxes, Wool Fat, Fatty Acids. Oxydo Ges. fuer Chemische Produkte m.b.H., Dr. T. Kroeber, Berlin-Charlottenburg and Dr. P. Segebad, Zossen. Oct. 12, 1924.

439,220.—Purifying Lubricating Oils from Motors. W. B. Clifford, Framingham. May 9, 1925.

439,238.—Purifying Organic Substances. I. G. Farbenindustrie A. G. Dec. 11, 1924.

439,010.—Cracking Mineral Oils. Wershen-Weissenfelder Braunkohlen A. G., Halle, and Dr. A. Fuerth. Dec. 12, 1922.

439,103.—Increasing Viscosity of Mineral Oils. Oelwerke Stern-Sonneborn A. G., Hamburg, and Dr. H. Vogel, Blankensee. Nov. 2, 1924.

439,060.—Automatic Soap Press. J. M. Lehmann, Dresden. Oct. 9, 1925.

439,358.—Candle Making Machine. E. A. Kerr, Dublin. June 4, 1925.

439,171.—Copper and Zinc Containing Bituminous Sulphided Earths. I. G. Farbenindustrie A. G. Jan. 31, 1925.

439,077, 439,235, 439,365.—Insecticidal Compositions. Chemische Fabrik auf Actien (vorm. E. Schering), Berlin. Oct. 25, 1924. Oct. 18, 1924, and Oct. 26, 1924.

439,129.—Stable Bone Meal. Trocknungs und Mahlwerk Schwaigern Brehm & Co., Schwaigern, Wuerttemberg. Mar. 15, 1925.

439,246.—Tricalcium Saccharate of high purity. C. Steffe, Jr., Vienna. Dec. 19, 1925.

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Issued Feb. 3, 1927

620,599.—Pulverizing Liquid and Semi-Liquids, process and apparatus. Ravo Rapid S. A. Aug. 25, 1924.

620,363.—Butyric Acid. Lefrance et Cie. Apr. 3, 1926.

620,594.—Acetals. Consortium fuer Elektrochemische Industrie G.m.b.H. Aug. 24, 1926.

620,365.—Anthraquinone Derivatives. I. G. Farbenindustrie A. G. Apr. 16, 1926.

620,556.—Improved Varnishes. K. Take-mura and K. Oiwa. Aug. 23, 1926.

620,567.—Liquid for Paints. C. Clot. Aug. 23, 1926.

620,613.—Anthraquinone Colors. I. G. Farbenindustrie A. G. Aug. 25, 1926.

620,462.—Fatty Essence. L. Desalbres and J. Dubourg. Aug. 19, 1926.

620,540.—Extracting Fatty Materials. A. S. Forsoksdraft. Aug. 21, 1926.

620,616.—Greasy Compositions of ductile plastic consistency. Dr. K. Erslev. Aug. 25, 1925.

620,632.—Conserving Mineral Oils Products. I. G. Farbenindustrie A. G. Aug. 26, 1925.

620,633.—Motor Fuel. I. G. Farbenindustrie A. G. Aug. 26, 1926.

620,653.—Artificial Petroleum. H. Spindler. Nov. 26, 1925.

620,659.—Cracking Oils. H. Mony. Dec. 22, 1925.

620,422.—Improvement in Treating Gases. M. Benson. Aug. 2, 1926.

620,423.—Improved Centrifugal Separators. C. S. Garland, J. W. Hinckley and C. S. Watson. Aug. 2, 1926.

620,470.—Pure Solutions, process for obtaining. K. F. Wilhelm. Aug. 19, 1926.

620,505.—Centrifuge. G. Brunet. Aug. 20, 1926.

620,530.—Improved Centrifuges. James Keith & Blackman Co., Ltd. Aug. 21, 1926.

620,667.—Separation of Gaseous Mixtures by liquefaction. Societe l'Air Liquide. Dec. 24, 1925.

620,674.—Perfected Gasoline Filter. Societe du Carburateur Zenith. Dec. 28, 1925.

620,394.—Artificial Tannins. E. J. Rosenzweig. July 16, 1926.

620,576.—Eliminating Impurities from Natural and Artificial Products. H. Grunwaldt. Aug. 24, 1925.

#### MAGNESIUM OUTPUT

Washington, D. C., March 30—Production of magnesium salts from natural sources in 1926 in the United States was 76,560,000 pounds, valued at \$1,040,800, according to James M. Hill, Bureau of Mines. This is a decrease of 10 per cent in quantity and 17 per cent in value compared with the production in 1925. Four companies produced 52,569,000 pounds of magnesium chloride, valued at \$701,580, from bitterns. Of this quantity 45,630,000 pounds was solid chloride, which sold at \$0.0148 a pound, and 6,939,000 pounds was in liquid form from 23° to 36° Baume, which sold at \$0.0039 a pound.

Three companies produced magnesium sulfate to the amount of 23,991,000 pounds, which sold for \$0.0141 a pound. Ninety-seven per cent of the sulfate was made from salt works bitterns and the balance from natural magnesium sulphate.

Imports of magnesium compounds in 1926 were 29,997,410 pounds, valued at \$293,079, an increase of over 5,500,000 pounds as compared with 1925. Exports of magnesia and manufactures in 1926 totaled 6,579,221 pounds, valued at \$323,386, an increase of over 1,300,000 pounds as compared with 1925.

#### SILVER SERVICE FOR GLICK

B. N. Glick, technical representative of Industrial Chemical Co., 200 Fifth ave., New York, who was married recently to Miss Alice Holmes, received from the staff a silver service. The presentation was made by J. Wrench, sales manager, on Tuesday, March 22.

Harry W. Cole, secretary Insecticide and Disinfectant Manufacturers Association, has arranged with Edgewater Beach Hotel, Chicago, to take care of association members during the convention, May 16-18, at these rates: Outside single room, with private bath, \$4 a day; outside double room, with twin beds and bath, \$6 a day.

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